zenith

SERVICE MANUAL

Product Type:	Projection/Directview CTV
Chassis:	GM
Manual Series:	CM-150 and PV-150
Manual Part #:	923-3364R1
Model Line:	A
Product Year:	1998

Model Series:

A50M84D	IQA36M46W
A50M84W	IQA36M46W4
A50M84W1	IQA56M98D
A50M84W5	IQA56M98W
A50M84W9	IQA56M98W1
A50M91D	IQA56M98W5
A50M91W	IQA56M98W9
A50M91W1	IQA60M98D
A50M91W5	IQA60M98W
A50M91W9	IQA60M98W1
A56M91D	IQA60M98W5
A56M91W	IQA60M98W9
A56M91W1	RA46M84D
A56M91W5	RA46M84D1
A56M91W9	RA46M84D9
A60M91D	RA46M84W
A60M91W	RA46M84W9
A60M91W1	RA50M84D1
A60M91W5	RA50M84D9
A60M91W9	RA50M84W
IQA32M46W	RA50M84W1
IQA32M46W4	RA50M84W5
IQA32M46W7	RA50M84W9
IQA32M46W74	RA56M91D
IQA36M46D	RA56M91D9

REVISED EDITION

This revised edition includes the original GM manual (923-03364) and the first addendum (923-03419).

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PRODUCT SAFETY SERVICING GUIDELINES FOR AUDIO-VIDEO PRODUCTS

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audio-visual service technicians.

When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent x-radiation, shock and fire hazard. These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way. Never perform customized installations without manufacturer's approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

GRAPHIC SYMBOLS

The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated "dangerous voltage" that may be of sufficient magnitude to constitute a risk of electric shock.

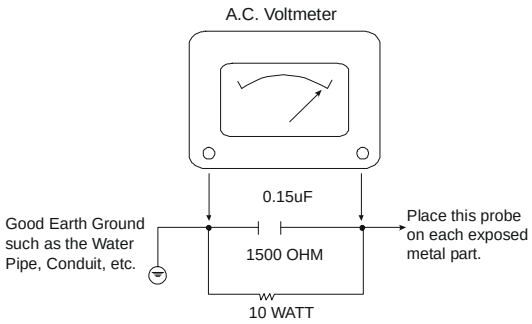
The pictorial representation of a fuse and its rating within an equilateral triangle is intended to convey to the service personnel the following fuse replacement caution notice:
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ALL FUSES WITH THE SAME TYPE AND RATING AS MARKED NEAR EACH FUSE.

SERVICE INFORMATION

While servicing, use an isolation transformer for protection from AC line shock. After the original service problem has been corrected, make a check of the following:

FIRE AND SHOCK HAZARD

1. Be sure that all components are positioned to avoid a possibility of adjacent component shorts. This is especially important on items transported to and from the repair shop.
2. Verify that all protective devices such as insulators, barriers, covers, shields, strain reliefs, power supply cords, and other hardware have been reinstalled per the original design. Be sure that the safety purpose of the polarized line plug has not been defeated.
3. Soldering must be inspected to discover possible cold solder joints, solder splashes, or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, for frayed leads or damaged insulation (including the AC cord), and replace if necessary.
5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. After re-assembly of the set, always perform an AC leakage test on all exposed metallic parts of the cabinet (the channel selector knobs, antenna terminals, handle and screws) to be sure that set is safe to operate without danger of electrical shock. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST. Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm, 10 watt resistor, paralleled by a .15 mfd 150V AC type capacitor between a known good earth ground water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and .15 mfd capacitor. Reverse the AC plug by using a non-polarized adaptor and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts RMS. This corresponds to 0.5 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.


A.C. Voltmeter
0.15uF
Good Earth Ground such as the Water Pipe, Conduit, etc.
1500 OHM
Place this probe on each exposed metal part.
10 WATT

X-RADIATION

1. Be sure procedures and instructions to all service personnel cover the subject of x-radiation. The only potential source of x-rays in current TV receivers is the picture tube. However, this tube does not emit x-rays when the HV is at the factory-specified level. The proper value is given in the applicable schematic. Operation at higher voltages may cause a failure of the picture tube or high-voltage supply and, under certain circumstances may produce radiation in excess of desirable levels.
2. Only factory-specified CRT anode connectors must be used.
3. It is essential that the service personnel have available an accurate and reliable high-voltage meter.
4. When the high-voltage circuitry is operating properly, there is no possibility of an x-radiation problem. Every time a color chassis is serviced, the brightness should be run up and down while monitoring the high voltage with a meter, to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. When troubleshooting and making test measurements in a product with a problem of excessively high voltage, avoid being unnecessarily close to the picture tube and the high voltage power supply. Do not operate the product longer than necessary to locate the cause of excessive voltage.
6. Refer to HV, B+, and shutdown adjustment procedures described in the appropriate schematics and diagrams (where used).

IMPLOSION

1. All direct view picture tubes are equipped with an integral implosion protection system; take care to avoid damage during installation.
2. Use only the recommended factory replacement tubes.

TIPS ON PROPER INSTALLATION

1. Never install any receiver in a closed-in recess, cubbyhole, or closely fitting shelf space over, or close to, a heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as: outdoor patio installations where dew is a factor, near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct venting. The customer should also avoid the use of decorative scarves or other coverings that might obstruct ventilation.
4. Wall- and shelf-mounted installations using a commercial mounting kit must follow the factory-approved mounting instructions. A product mounted to a shelf or platform must retain its original feet (or the equivalent thickness in spacers) to provide adequate air flow across the bottom. Bolts or screws used for fasteners must not touch any parts or wiring. Perform leakage tests on customized installations.
5. Caution customers against mounting a product on a sloping shelf or in a tilted position, unless the receiver is properly secured.
6. A product on a roll-about cart should be stable in its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against using a cart or stand that has not been listed by Underwriters Laboratories, Inc. for use with its specific model of television receiver or generically approved for use with TVs of the same or larger screen size.
8. Caution customers against using extension cords. Explain that a forest of extensions, sprouting from a single outlet, can lead to disastrous consequences to home and family.

HV SHUTDOWN FOR DIRECT VIEW

THEORY OF OPERATION (SHUTDOWN CIRCUIT)

The HV shutdown circuit appears on sheet 5 of the schematics for 9-1979. The basic HV shutdown circuit is illustrated below.

The peak pulse voltage from deflection transformer TX3204 is rectified by D3205 and C3217. The resulting 37 volts is then divided by RX3015 and RX3019M to approximately 8.5 volts. It is applied to the non-inverting input of one of the op-amps in ICX3200 (pin 10). This op-amp is used as a voltage comparitor. It's inverting input (pin 9) is held at a reference voltage of 9.1 volts by the Zener diode ZDX3004 and RX3025.

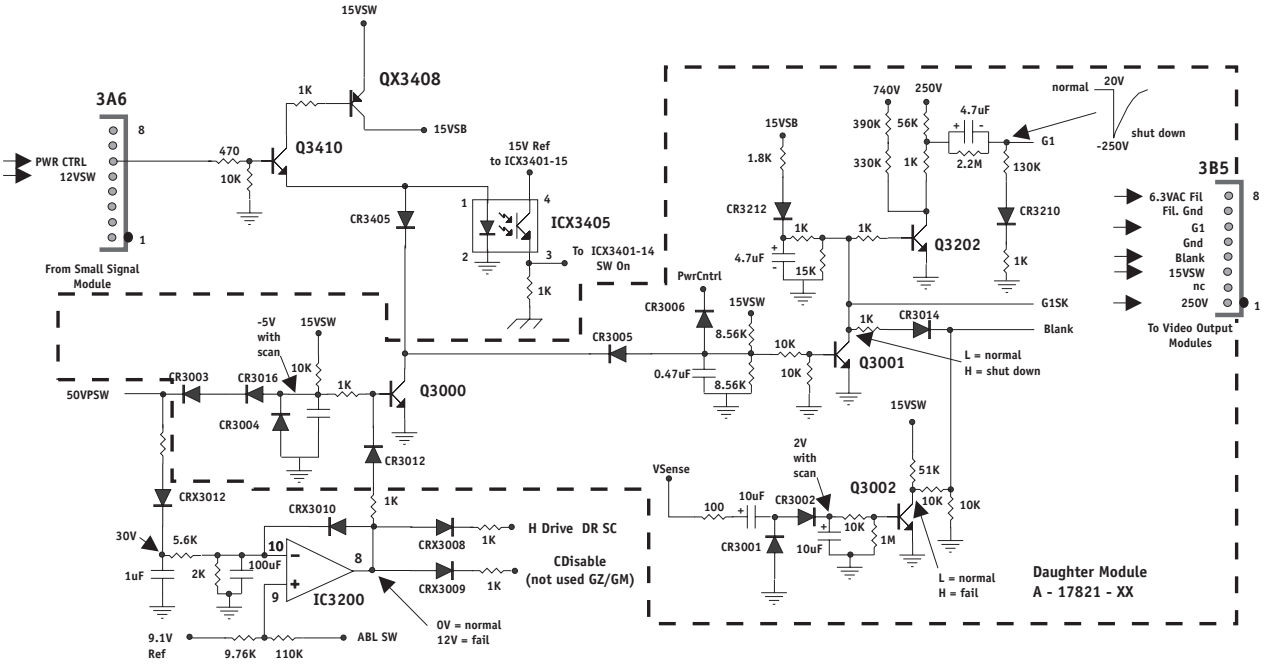
Any failure in the deflection circuit that would cause excessively high, High Voltage at the CRT will also cause an increase in the sampled 37 volts. This increase will result in an increase in the voltage at the non-inverting input to op-amp IC3200 (pin 10). When this increased voltage exceeds its reference 9.1 volts, the op-amp output goes from low to high. DX3009 provides a feedback path that holds the non-inverting input high so that the op-amp stays latched with its output high until power is removed by turning the TV off. DX3009 and RX3016M pull pin 2 of 3N2 high (about 12 volts). This is the horizontal drive signal pin from the video processor in the small signal module. The video processor turns off horizontal drive when its output is pulled high.

When the high voltage shutdown circuit is activated, IC3200 is no longer supplied with 23 volts to its power input pin (pin 4) because the 23 volt supply comes from the deflection transformer, which has been shutdown. QX3410 and QX3411 provide a connection to another supply at this time.

The shutdown circuit may be tested for operation by momentarily connecting a 1k ohm resistor in parallel with RX3015. This will boost the non-inverting input above 9.1volts and trigger shutdown.

GM Directview HV & B+			
Chassis	B+ [VDC]	HV (nominal @ 0 beam kV)	HV (max @ 0 beam kV)
	135	32.0	33.0

GM Direct View CRT Protection Circuit Diagram



HV SHUTDOWN FOR PROJECTION TV

SERVICE SAFETY NOTES

When servicing chassis, under no circumstance should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit, and their physical location, wiring, and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent X-Radiation, shock, and fire hazard. These components are indicated by the letter "X" included in the item number. This designates critical components in circuits which are required to maintain safe performance. No deviations are allowed without prior approval by the product compliance and evaluation department.

The circuit diagrams may occasionally differ from the actual circuit used. This way, implementations of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

B+ AND HIGH VOLTAGE SHUTDOWN CIRCUIT

These sets utilize safety circuits for protection. In case of a failure involving the seal B+ adjustment, high voltage adjustment, or high voltage shutdown, follow these instructions closely. **Failure to do so many violate Federal X-RAY limits.** Some sets may use a high voltage shutdown adjustment potentio in place of fixed resistors. If it should become necessary to replace one of these factory controls use only the exact Zenith factory replacement part number. You must also adjust the replaced controls to factory specified values (B+ to VDC) and high voltage adjust to 31.5kV). For the high voltage shutdown adjustment after replacing the high voltage shutdown adjustment potentiometer or fixed resistors, follow the following procedure. A functional test of the high voltage shutdown circuit must be performed to check for proper operation if you service these sets in the shutdown circuitry.

1. Measure the DC voltage across capacitor CX3006. It should be approximately 7.6VDC. Temporarily connect a 1K 5% 1/2W resistor across RX3015. High voltage should shutdown. This checks out the shutdown circuit operation. Remove the temporary resistor and recycle the ON/OFF button. A more elaborate test to determine the actual high voltage value at which high voltage shutdown will occur can be made as follows:

Caution: It will normally not be necessary to perform this test unless the set keeps shutting down under normal operation, the high voltage shutdown resistors or adjustment pot had to be replaced, or the operational test described in the previous paragraph was unsuccessful. It should be recognized that significantly elevated high voltage will be produced during this test and adequate care should be taken to avoid high voltage arcing.

2. Connect a 40kV high voltage meter in place on one of the CRTs at the high voltage block. Connect the negative lead of a 500mA 12 volt power supply, with a 1K OHM resistor in series, to the junction of RX3438 and RX3439 and the positive lead to ground side of RX3439.

   Turn the set ON and ensure that the brightness and contrast are set at minimum. Increase the 12 volt bench supply until shutdown occurs, Shutdown must occur in the range from 34.3 to 36.5kV, If not, shutdown occurs, the circuit must be repaired and the test repeated.

   When you have completed all the adjustments and tests, use a "hot melt glue" gun to permanently seal the B+, HV and/or shutdown, if any of these controls had been used, to render them not adjustable. This is to ensure continued compliance with the Federal TV X-RAY Standard.

NOTE: Any board which cannot be repaired to pass the functional test above should be exchanged.

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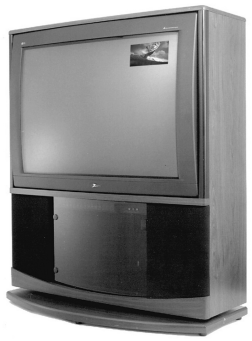
OVERVIEW



GENERAL INFORMATION

New Video features include a comb filter for processing incoming signals to provide fine detail images. Auto skin tone circuitry automatically maintains natural skin tones. Black level enhancement/white level and peak white level compression circuitry maintains black/white contrast ratio and peak luminance level for detail in both light and dark video areas.

Audio features include **SoundRite** volume control. This circuitry automatically compensates for the volume changes during commercials and limits the audio to a set volume level.

The **BBE** feature has been added to most audio systems.

The circuitry adjusts the phase relationships of the low, mid and high frequencies. The circuit also augments the higher and lower frequencies.

The **BBE** system provides a dynamic program-driven augmentation which combines with the phase compensation feature to restore the clarity of the original line sound.

THE GM SERIES CHASSIS CONTAINS 10 MODULES

The 9-1912 (small signal) module and 9-1916 (large signal) are used in the GM-Direct View 32" set.

The 9-1913 (small signal) and 9-1979 (large signal) modules are used in the GM-Direct View 36" set.

The 9-1914 (small signal) module is used in the GM-Projo 84 Series.

The 9-1942 (small signal) modules are only used on GM-Projo 91 Series.

The 9-1943 (small signal) modules are only used on GM-Projo 98 Series.

All 9-1978 (large signal) modules are only used in the GM-Projo sets.

THE GM SERIES CHASSIS FEATURES TWENTY ONE IC'S.

IC6003 EPROM Memory.

IC6002 ROM is the EAROM Memory.

IC6000 Microprocessor located on the 9-1932 Module.

IC3200 Quad Op Amp IC, controlling Pin Cushion/ Over-voltage protect/ Auto Kine Bias/ and ABL, and is located on 9-1916 and 9-1979 Modules.

IC2900 Audio/Video switch located on A/V 9-1920/ 1922 Module.

IC2401M D/A converter for 3D series 9-1925/27, 9-2034 Modules.

IC2400 Digital Comb filter for 2H series.

IC2400M Digital Comb filter for 3D series 9-1925/ 27, 9-2034 Modules.

IC2300 Video Processor

IC2200 Signal Processor and handles Video, Sync and Sweep Drive Processing on 9-1924 Module.

IC2100 Handles Vertical Sweep.

IC2001 PIP Digital Processor.

IC2000 PIP Analog Processor located on the 9-1650 Module.

IC1201 IF/Detector IC

IC1402 BBE Audio Processor

IC1400 Volume Limiter

IC850 Left and right surround sound output IC, Located on 9-1912/13/14 Modules.

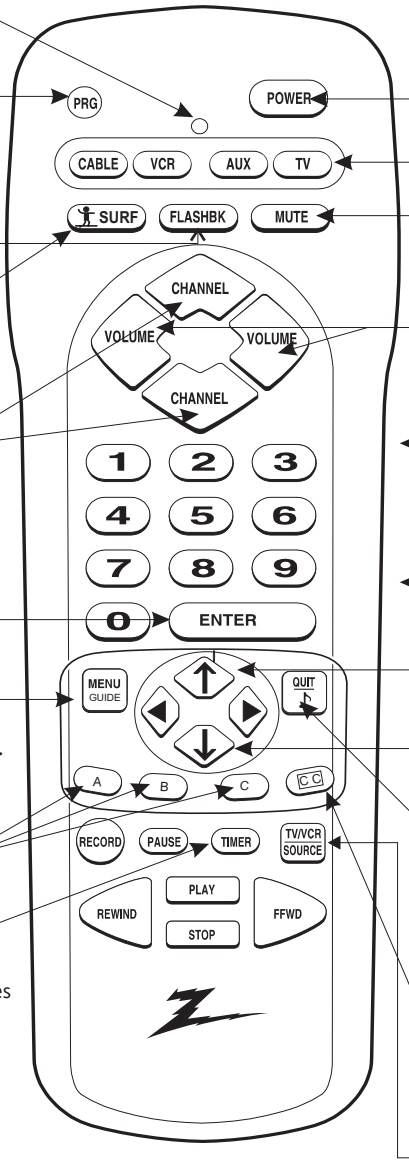
IC800 Left and right audio out put IC, located on 9-1912/13/14 Modules.

ICX3405 Optoisolator IC and is in the Switch Mode Power Supply.

ICX3402 Regulator IC and is in Switch Mode Power Supply 9-1978/1979.

ICX3401 Second Regulator IC Controller in the Switch Mode Power Supply.

MBR3457 REMOTE CONTROL - KEYS DEFINED



Indicator Light

PRG (Program)
Programs remote to operate other products.

POWER
Turn TV On or Off

TV
Selects TV operation

MUTE
Turns sound Off and On While picture remains.

FLASBK (Flashback)
Returns to previous channel

SURF
Activates TV channel "Surf" feature.

VOLUME Left/Right
Changes TV's sound level.

CHANNEL (Up or Down)
Selects next channel
When "Surf" option is On, you receive only channels set as "Surf" channels.

NUMBERS
Selects channels directly and enter numeric values for some options.

ENTER
Shows Channel/Time display. Press after channel numbers for fast selection.

MENU
Displays on-screen menus for TV mode.

Up/Down and Left/Right Arrows
The Up/Down arrows select options.
The Left/Right arrows adjust options.

A, B, C, KEYS
Special features on some TV's.

Quit/♪
Removes on-screen display from view.
If no display is on, switches front speaker surround sound On and Off for some TVs.

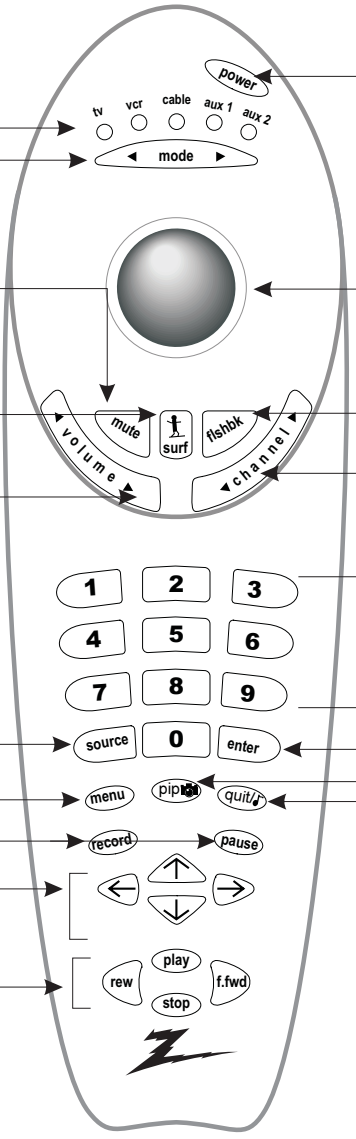
TIMER
Displays the Sleep Timer Menu. Press repeatedly to set TV shut-off time. Specifies AM or PM when you set the clock or use a timer feature.

CC (Closed Captioning)
Displays closed caption menu

TV/VCR - Source
Switches between watching TV via the available sources, ANTENNA/CABLE, VIDEO IN, etc.

Remote Control Part Number
124-212-37

TRK4000 REMOTE CONTROL - KEYS DEFINED



INDICATOR LIGHTS
Illuminate to show which mode remote is in.

MODE LEFT/RIGHT
Adjust which mode remote is working in.

MUTE
Press once for Soft Mute, again for Full Mute, and a third time to return to normal volume.

SURF
Use the regular channel selection or customized channel Surf lists.

VOLUME LEFT/RIGHT
Increases/descreases sound level.

SOURCE
Push to switch between available sources connected to your Entertainment Machine.

MENU
Displays functions on VCR

RECORD, PAUSE
Control functions on VCR

ARROW KEYS
Allows user to move through on-screen menu choices.

REW, FFD, PLAY, STOP
Controls functions on VCR

POWER
Turn your Entertainment Machine or any other programmed equipment on or off, depending on mode

TRAKBALL
Click and move the on-screen pointer.

FLSHBK
Return immediately to the last channel viewed.

CHANNEL UP/DOWN
Scroll through your available channels.

NUMBER PAD
For direct channel selection and programming functions.

ENTER
Push to accept menu choices or after channel numbers for faster transfer.

PIP SNAPSHOT
press to capture and freeze main picture within large PIP frame. Press a second time and receive PIP from another channel or source. Press a third time to remove PIP.

QUIT
Leaves programming menus and clears screen of displays, and provides audio swap.

Remote Control Part Number
124-219-01

PROGRAMMING THE MBR3457 REMOTE

If you're using Zenith products, the remote is already programmed for the most common codes: TV = 101, VCR = 201, CABLE = 353, and AUX = 401. For other brands, or if your remote fails to control your Zenith products, you'll have to program the remote.

1. Make sure batteries are installed**.**
2. **Press** and **hold PRG** using a blunt pointed object. Release **PRG** after indicator light turns on.
3. Press and release button for product being programmed.
4. Enter 3-digit product code from Remote Control Programming Codes in this section.
5. Press and release **ENTER** to save code.
6. Point remote at product and press **POWER** to test product operation. If it does not turn on, reprogram remote using a different code.

TO AUTO FIND A CODE

1. Turn On the product you want to operate.
2. Press and hold **PRG** using a blunt object.
3. Press the key to be programmed: **CATV, VCR, AUX,** or **TV.**
4. Enter "0-0-0," then press **ENTER** within two seconds.
5. Point remote at the product.
6. Press and release **POWER** repeatedly, about once a second, until your product turns Off.
7. Press **ENTER** immediately to save the code.
8. Press **POWER** to turn On your product.
9. Test your product. If the remote fails to operate the functions you use most often, use Auto Find again to search for a better code. (Auto Find resumes its search after the last code that was entered and saved in step 7.)

NOTE: If the indicator light stays on as you press POWER, Auto Find has tried all of the codes. If the product you want to control has not turned off, your remote will not work with that product.

To cancel Auto Find, press PRG at any time.

PROGRAMMING THE TRK4000 REMOTE

1. Select equipment needed to be programmed, turn to page 2 - 5 to find the programming code appropriate for the type and brand of equipment. Make sure the equipment is turned on.
2. Point the MBR Trakball remote at the piece you're programming, press **MUTE** and **FLSHBK** at the same time. Hold until one of the mode indicator LEDs lights.
3. Use the **MODE** Right/Left button to select the appropriate mode for equipment.
4. With the Number Keypad, enter the three digit code found in step 1 and press **ENTER**. If the code is accepted, the mode indicator Led will blink three times, If it is not accepted, the Led will not blink.

NOTE: The TV and VCR modes will only accept codes for those types of products. The AUX 1, AUX 2, and Cable modes will accept codes for any kind of product.

5. Push the **POWER** button to turn off the equipment. If nothing happens, repeat the process from step 1, and try the next code number.

NOTE: To get out of Programming before you enter a code, just press the QUIT button on remote.

TO AUTO FIND A CODE

1. Turn on device you want to operate.
2. Press and hold **MUTE** and **FLSHBK** until the indicator light turns on.
3. Press **MODE** Left/Right until the indicator light is underneath the device needed to be programmed.
4. With the NUMBER keypad, enter the code 0-0-0 (zero-zero-zero), then press the **ENTER** key right away.
5. Aim remote at correct device and push the **POWER** button. Allow a second to pass, then push the Power button again. Repeat until the device turns off.
6. Push **Enter** to save the code. The indicator light on the remote will blink three times and then turn off.
7. Press **Power** to turn the device back on.

NOTE: You can get out of Auto Find quickly by pressing the Quit button.
If the indicator light does not turn off while you push the Power key, all the codes have been tried and your device can't be programmed.

PROGRAMMING CODES BY BRAND NAME

TVS	
Admiral	116, 121, 130, 133
Adventura TV/VCR	154
Akai	104
Amark	103, 146
AOC	104
Bell & Howell	121
Broksonic	131, 136, 182
Candle	139
Centurion	119
Citizen	121, 139
Contec	141
Coronado	103
Crown	103
Curtis Mathes	116, 119, 121
Daewoo	149, 159
Daewoo TV/VCR	148
Daytron	119
Elektra	121
Emerson	103,104,123,124, 131, 136, 145, 176
Emerson TV/VCR	158
Fisher	109, 118
Funai TV/VCR	154
General Electric	106, 107, 114, 116, 117, 161
Goldstar	103, 104, 119, 147, 184
Goldstar TV/VCR	153
Hitachi	102, 103, 129, 163, 121
Inteq	101
J.C. Penney	104, 110, 114, 117, 119
JVC	125, 132, 164
KMC	103
KTV	103, 104, 138
Kurazai	121
LG	184
Lodgenet	121
Logik	121
LXI	133, 137
Magnavox	103, 112, 113, 117, 119, 127, 128, 130, 139, 165
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Majestic	121
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Megatron	146
Memorex	121
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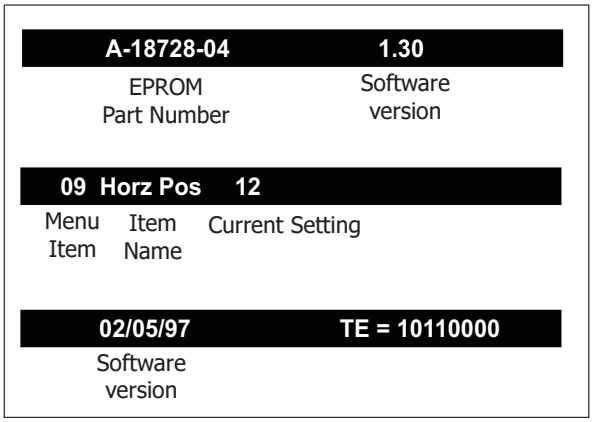
GM CHASSIS A-LINE LINE SERVICE SETUP - DIRECTVIEW AND PROJO

Accessing The Service Menu

You may access the menu by using the keyboard or a remote control. If you use the keyboard press and hold the **MENU** key until the customer menu disappears and then quickly press the **ADJUST RIGHT** and **CHANNEL UP** keys at the same time. If you use the remote control press and hold the **MENU** key until the customer menu disappears and then quickly press the number keys **9, 8, 7, 6,** and **ENTER**. Following either procedure should bring you to the Service Menu. The menu will display one control at a time. Please note that FACTORY MODE should always be OFF in the field. If FACTORY MODE is turned ON there will be situations that cause customer menu settings to randomly change just by turning the set off and then on again. FACTORY MODE can be turned OFF simply by setting the clock feature in the customer menu.

Please note color tracking is done by the Video Processing circuit. There are no manual color controls. Even if COLOR LEVEL, on the customer menu, is turned all the way down there will always be some color on (unless the video signal is black and white with no color burst).



MENU TERMS GLOSSARY

The items listed below are Service Menu items you may have to adjust for a particular television. Please note that some of these, if set wrong, may cause symptoms similar to a circuit failure.

AC Pwr ON - Turns set on when AC line power is applied. Power key is disabled. Automatically enabled if factory mode is on.

Audio Coefficients (VCO addition, SAP VCO, SAP LPF, LPF addition, Spectral, and Wideband) - Settings for the audio processor's stereo decode system. Values, for Service Menu features 74 through 80, are found on a bar code label on top of the Tuner/IF/Audio module.

A/V Lock - Disables all audio and video inputs - gives blue screen and menus only.

Band/AFC - Allows setting of tuning band and AFC mode. Allows manual override of the BAND and AFC selection of Auto Program.

Note: If Auto Program is run, it will automatically reset the manual BAND/AFC selection.

Bright AUX and **Bright RF** - Allows balance of AUX and RF viewed video brightness levels.

Chan Lock - Locks set to one channel use only.

Feat. Level - 0 =11 jack, 1 = 18 jack, 2 = 21 jack. Factory mode must be on to switch the setting. After making the change be sure to turn off the factory mode feature.

Horz Pos and **Vert Pos -** Sets horizontal and vertical position of on screen displays. Does not affect position of the picture video.

Key Deft - Disables menu use of the keyboard keys: MENU, ENTER, ADJUST, and SELECT.

Max Vol - Sets maximum volume limit.

Min Vol - Sets minimum volume limit.

Preset PX (also Theater, Game, Sports, Daylight, and Weak) - Stores special customer video menu setup as six different presets. To change, enter the customer video menu and select video pref. feature. Select preset (i.e. Preset, Theater, Game, etc.) that is to be changed and customize it. Enter the Service Menus and access the feature that was just changed (Preset PX, Theater PX, Game PX etc.) and press adjust to store the change. The new setup is stored as the new "video controls preset" for that item.

Proj Mode - When enabled, adds the Projo Setup feature to the customer setup menu. Enables customer static setup (red and blue centering offset) display for the projo TVs.

RGB Brite and RGB Cont - Controls on screen display video.

Sub Contr - Sets operating range and offset of contrast.

GM Service Menu A-18728-03 Ver. 1.30

		INTEQ 32V DV 3D comb 4x5W	**INTEQ 36V DV** 3D comb 4x5W	**AVI '84 PV** 2H Comb 2x5W	**AVI '91 PV** 2H Comb 4x5W	**INTEQ '98 PV** 3D comb 4x5W
0	Factory Mode	1	1	1	1	1
1	Preset Preset	N/A	N/A	N/A	N/A	N/A
2	Theater Preset	N/A	N/A	N/A	N/A	N/A
3	Game Preset	N/A	N/A	N/A	N/A	N/A
4	Sports Preset	N/A	N/A	N/A	N/A	N/A
5	Daylight Preset	N/A	N/A	N/A	N/A	N/A
6	Weak Signal Preset	N/A	N/A	N/A	N/A	N/A
7	Vert OSD Position	15	15	15	15	15
8	Horz OSD Position	44	44	44	44	44
9	Keyboard Defeat	0	0	0	0	0
10	Channel Lock	0	0	0	0	0
11	Minimum Volume	0	0	0	0	0
12	Maximum Volume	63	63	63	63	63
13	AC Power On	0	0	0	0	0
14	A/V Lockout	0	0	0	0	0
15	Feature Level	2	2	0	1	2
16	Band/AFC	0	0	0	0	0
17	Projection Mode	0	0	1	1	1
18	Horz Gemstar Pos	0	0	0	0	0
19	Vert Gemstar Pos	0	0	0	0	0
20	RGB OSD/PIP Brightness	45	45	45	45	45
21	RGB OSD/PIP Contrast	60	60	50	50	50
22	Base Brightness Rf	76	76	76	76	76
23	Base Brightness Aux	76	76	76	76	76
24	Base Brightness YUV	76	76	76	76	76
25	Sub Contrast Rf	16	16	16	16	16
26	Sub Contrast Aux	16	16	16	16	16
27	Sub Contrast YUV	16	16	16	16	16
28	Sub Color Rf	10	10	10	10	10
29	Sub Color Aux	10	10	10	10	10
30	Sub Color YUV	10	10	10	10	10
31	Low Green/Red Drive	103	103	90	90	90
32	Med Green/Red Drive	117	117	80	80	80
33	High Green/Red Drive	113	113	70	70	70
34	Low Blue Drive	37	37	30	30	30
35	Med Blue Drive	51	51	40	40	40
36	High Blue Drive	57	57	50	50	50
37	Low Red Cutoff	200	200	195	195	195
38	Low Green Cutoff	100	100	230	230	230
39	Low Blue Cutoff	89	89	121	121	121
40	Med Red Cutoff	180	180	175	175	175
41	Med Green Cutoff	100	100	230	230	230
42	Med Blue Cutoff	118	118	141	141	141
43	High Red Cutoff	168	168	165	165	165
44	High Green Cutoff	100	100	230	230	230
45	High Blue Cutoff	144	144	159	159	159
46	Custom Color Setup	10	10	10	10	10
47	Preset Color Setup	10	10	10	10	10
48	Theater Color Setup	14	14	14	14	14
49	Game Color Setup	10	10	10	10	10
50	Sports Color Setup	10	10	10	10	10
51	Daylight Color Setup	10	10	10	10	10
52	Weak Sig Color Setup	10	10	10	10	10
53	Custom Black Stretcher	3	3	3	3	3
54	Preset Black Stretcher	3	3	3	3	3
55	Theater Black Stretcher	3	3	3	3	3
56	Game Black Stretcher	3	3	3	3	3

GM Service Menu A-18728-03 Ver. 1.30 (continued)

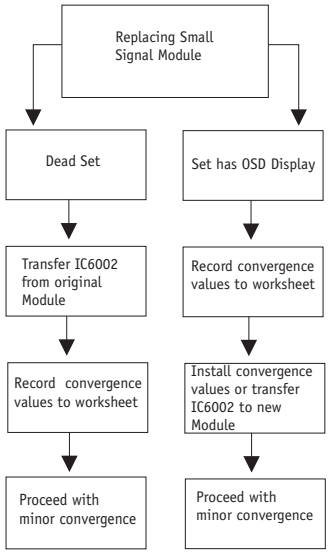
		INTEQ 32V DV 3D comb 4x5W	**INTEQ 36V DV** 3D comb 4x5W	**AVI '84 PV** 2H Comb 2x5W	**AVI '91 PV** 2H Comb 4x5W	**INTEQ '98 PV** 3D comb 4x5W
57	Sports Black Stretcher	27	27	27	27	27
58	Daylight Black Stretcher	3	3	3	3	3
59	Weak Sig Black Stretcher	3	3	3	3	3
60	Black Level Priority	0	0	0	0	0
61	Color Decode Phase/Gain	169	169	169	169	169
62	OSD Control	0	0	0	0	0
63	DVD YUV Tint Offset	63	63	63	63	63
64	Luma Setup	194	194	194	194	194
65	VSM Phase/Gain	70	70	70	70	70
66	DC Restoration	0	0	0	0	0
67	Dynamic ABL Point Gain	2	2	2	2	2
68	ABL Point/Gain	56	56	56	56	56
69	Horz Video Position	22	22	16	16	16
70	Vert Freq (Auto/60Hz)	2	2	2	2	2
71	TOF Freq/Q	0	0	0	0	0
72	PIP Horz Position	128	128	112	112	112
73	Input Level	6	6	6	6	6
74 *	VCO Adjust	31	31	31	31	31
75 *	SAP VCO (Always 0)	0	0	0	0	0
76 *	SAP LPF (Always 0)	0	0	0	0	0
77 *	LPF Adjust	26	26	26	26	26
78 *	Spectral Adjust	35	35	35	35	35
79 *	Wideband Adjust	39	39	39	39	39
80 *	Bass Boost	0	0	0	0	0

* These settings must match the bar code label on top of the 9-1789 module.

SMALL SIGNAL (MAIN) MODULE REPLACEMENT AND TOUCHUP CONVERGENCE

IMPORTANT ! ***All convergence data is stored in IC6002, the eight pin Serial EEPROM located on the Micro Module. A complete re-convergence will be required unless this data is retrieved from the original module either by recording the convergence values or transferring IC6002 to the replacement module.***

Small Signal Replacement Convergence Procedure


Replacing Small Signal Module
Dead Set
Set has OSD Display
Transfer IC6002 from original Module
Record convergence values to worksheet
Record convergence values to worksheet
Install convergence values or transfer IC6002 to new Module
Proceed with minor convergence
Proceed with minor convergence

NOTE: If the small signal (Main) Module is the cause of a Dead Set condition, and IC6002 is faulty, the replacement module may require a complete convergence setup.

If set still has on-screen display, use the following procedure:

1. Remove shield from the Micro Module on the original Small Signal Module and the replacement module. Remove IC6002 from original module and exchange it with IC6002 from the replacement module. Replace both shields making sure to re-install IC6002 on DUD Module.
2. Press and hold **MENU** on remote until User Menu display disappears. Then press **"999"** and **ENTER**. Set will now be in the Geometry Adjustment Mode; it is not necessary to save GEOMETRY settings. Press **FLASHBACK** to access the Green Convergence Sett - ings. The left side of the bar describes the adjust-ment name. The two numbers on the right side of the bar are the Horizontal and Vertical settings: Horizontal on the left and Vertical on the right.

Green Convergence Mode Display

3. Start by pressing **1** on remote. Write down the convergence values on the Digital Convergence Numbers For Rear Projo TV sheet provided. Where there are more than one set of numbers, press the number again to see the second set.
4. After all the Green settings have been recorded, press **MUTE** to access the Blue settings. Repeat procedure and record all of the BLUE settings. When BLUE is finished, press **SURF** for RED and record all of the RED settings.
5. When all of the settings have been recorded, press **QUIT** to exit the Convergence Mode.

NOTE: REMEMBER - Avoid any mechanical adjustments on the CRTs or adjustment of the Horizontal and Vertical size controls on the Power Supply Module, if only replacing the Main Module.

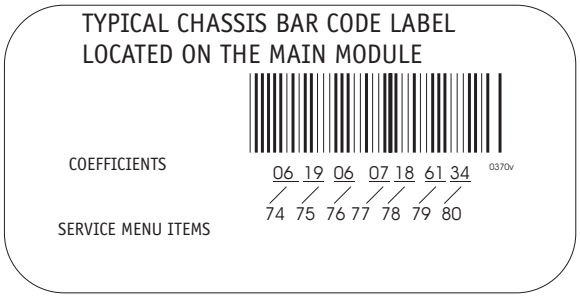
6. Remove defective module and install replacement module. Ensure that all connectors are plugged in securely.
7. Place the set in the Convergence Mode and install all of the convergence values. Start with Green and follow with Red, then Blue.

NOTE: To save the convergence values just entered, press QUIT. "Do You Want To Save The Changes - YES/NO" will appear. Use the ADJUST button to select YES or NO, then press ENTER to save. Do this after each "Green, Red, Blue" sequence to avoid losing all of your work should a power interruption occur.

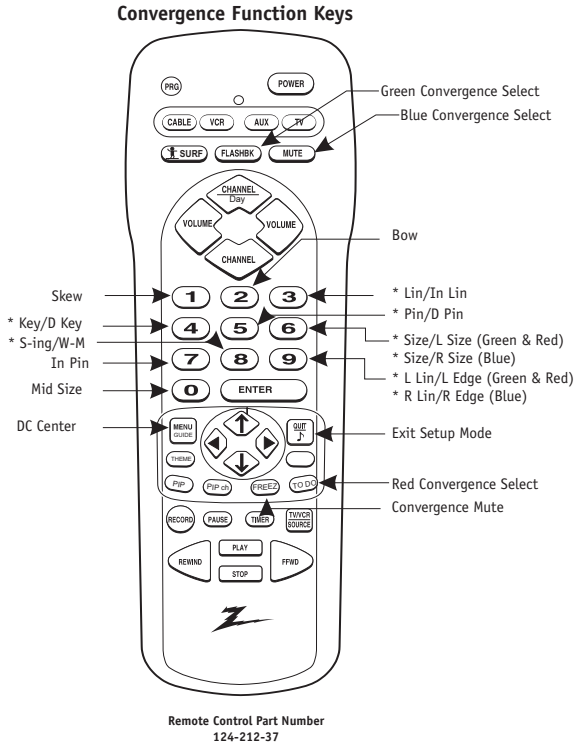
8. If, after installing all of the original values, set still needs some touchup of the convergence, attach a crosshatch generator to set and follow the procedure provided. Use the small Left/Right arrows for horizontal adjustments and the small Up/Down arrows for vertical adjustments. Pressing **ENTER** lets you toggle between the control's stored setting and the adjustment just made.
9. Access the Service Menu and enter the Stereo coefficients as shown on the bar code label on small signal Module.

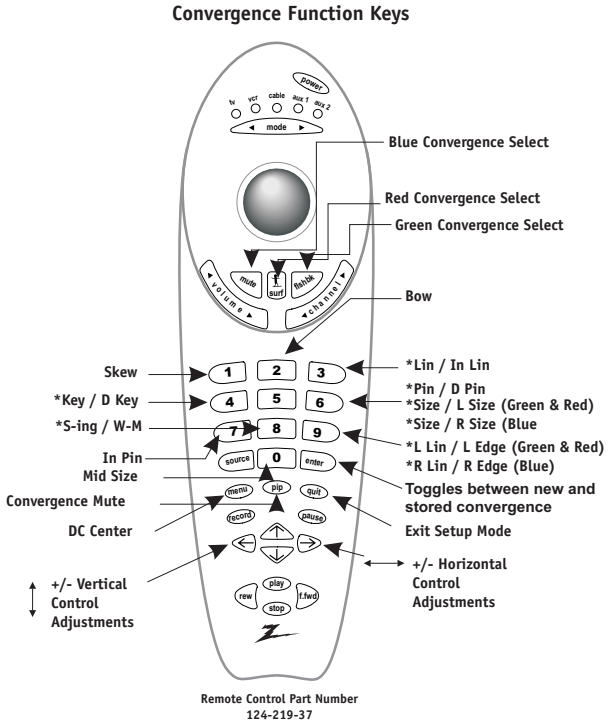
ENTER THE STEREO COEFFICIENTS

(Bar code data) Will be found on a label attached to the chassis. Enter these settings in their appropriate locations in the Service Menu items 74 through 80 (starting with the left-most two digits for item 74)


TYPICAL CHASSIS BAR CODE LABEL
LOCATED ON THE MAIN MODULE
COEFFICIENTS
06 19 06 07 18 61 34
0370v
74 75 76 77 78 79 80
SERVICE MENU ITEMS

PROJO CONVERGENCE SETUP PROCEDURE - MBR3457/TRK4000





To simplify the PTV convergence procedure, a Kit with a special hand control may be purchased. Refer to the back page of this Service Manual for more information.

GM - PROJO CONVERGENCE SETUP PROCEDURE

Step 1: Warm-up TV set for at least 15 minutes.

1. Read entire procedure while set is warming up.

Note: G-2 setup and video mute jumpers are on the rear left corner of the main module. G-2 and Focus controls are located inside the back of the projo behind the blue CRT. Vertical and horizontal size controls are located on the front of the power supply/deflection module.

Step 2: G-2 Setup

1. Place G-2 Setup jumper (SW1) to setup position.
2. Set G-2 control for the Green CRT by turning control clockwise until vertical retrace lines are just visible. Repeat procedure for red and blue.

Note: Make Sure that there is no direct light on screen or bright light present while adjusting G-2 controls.

3. Place SW1 to normal position.

Step 3: Focus Adjustment

1. Connect a pattern generator (or VCR with signal pattern tape part# 892-53) to video inputs on set.
2. Set pattern generator display to a hatch or mono-scope pattern.
3. Adjust brightness and contrast, on the Customer Video Menu, to lowest level that allows you to view entire pattern.
4. Adjust mechanical and electrical focus as needed.

Note: The area of interest while doing mechanical focus is the center of the screen. The areas of interest while doing electrical focus are mid points of the display (midway between center to edge on the top, bottom, and both sides).

Step 4: Customer Convergence Controls

1. Using customer convergence controls, adjust vertical and horizontal RED and BLUE static convergence controls to the center of their +/- range.

Step 5: Setup Yoke Tilt and Center Screen

1. Select cross hair pattern on the generator.
2. Press and hold **MENU** on remote until customer menu display disappears. Then press **"999 ENTER"**. Geometry convergence display will appear.
3. Press **PIP** for **TRK4000** or **FREEZE** for **MBR** remote to disable convergence. Screen should now say Geometry MUTE.

4. Locate physical center of display screen.
5. Look at horizontal line and adjust by loosening yoke clamp and rotating yoke assembly.
6. Using ring magnets set Green CRT beam to center point of screen.
7. Adjust Red horizontal line to convergence with Green horizontal line and Red vertical line 3/4" to right of Green vertical line. Repeat steps 5 and 6 for Blue horizontal and vertical line.
8. Adjust Blue horizontal line to convergence with green horizontal line and blue vertical line 3/4" to left of green vertical line.
9. Press **PIP** for **TRK4000** or **FREEZE** for **MBR** remote to enable convergence. The Geometry MUTE display should be off.
10. Mute (cutoff) Red and Blue CRT video by placing jumpers of SW2 (on the main module) to disable position.
11. Looking at the Green - notice if pattern changed coordinates. If yes go to step 12. If no go to step 13.
12. Press **Menu + FLASHBK** on remote. Screen should say Green DC. Use small arrows on remote to adjust Green centering.
13. Enable Red CRT video, by removing RED disable jumper of SW2. Press **SURF + Menu** for **TRK** or **CC + Menu** for **MBR** remote to select Red DC and convergence Red to Green.
14. Enable Blue CRT video, by removing BLUE disable jumper of SW2. Press **MUTE + Menu** to select Blue DC and convergence Blue to Green.

Step 6: Setup Green Reference Color

1. Disable Red and Blue CRT video using the jumpers of SW2 (on the main module) .
2. Press **FLASHBK + 6** on remote. Screen should say Green Size. Use small arrows on remote to set Horz. & Vert. size to 127.
3. On the sweep module adjust vertical and horizontal size controls to about 1.5" of over scan. Display aspect ratio must be 3 to 4.
4. Adjust vertical controls to obtain straight horizontal lines.
5. Adjust horizontal controls to obtain straight vertical lines.
6. Repeat steps 2-5, as necessary, to achieve best possible display.

Note: If you have a monoscope test pattern set horizontal size to 5 graticule marks (left and right) and vertical size to 4.0 graticule marks (top and bottom).

Some remote control keys have two functions. Press key a second time to toggle to second function.

Step 7: Converge Red onto Green

1. Enable Red CRT video by removing RED disable jumper of SW2. Blue CRT should still be disabled.
2. Adjust vertical controls to obtain straight horizontal lines.
3. Adjust horizontal controls to obtain straight vertical lines.
4. Adjust L-Lin, L-Edge, L-Size, and Mid-Size to fully converge the Red image to the Green image .
5. Repeat steps 2-4, as necessary, until best possible convergence is achieved.

Step 8: Converge Blue onto Green

1. Enable Blue CRT video by removing BLUE disable jumper of SW2 and disable Red CRT video by installing RED disable jumper of SW2.
2. Adjust vertical controls to obtain straight horizontal lines.
3. Adjust horizontal controls to obtain straight vertical lines.
4. Adjust R-Lin, R-Edge, R-Size, and Mid-Size to fully converge Blue image to Green image.
5. Repeat steps 2-4, as necessary, until best possible convergence is achieved.

Step 9: Final Convergence of Red and Blue to Green

1. Enable Red CRT video and Blue CRT video by removing RED and BLUE disable jumpers of SW2.
2. Adjust the convergence controls, as necessary, until best possible convergence is achieved.

Step 10: Save Convergence Adjustments

A question will be displayed, Do You Want To Store Your Changes - YES/NO, when QUIT is pressed once. Using **ADJUST** key, change and high light to **YES**, and press **ENTER** to save. You may also press **QUIT** twice to exit the convergence setup mode without saving changes.

CONVERGENCE SETUP WORKSHEET

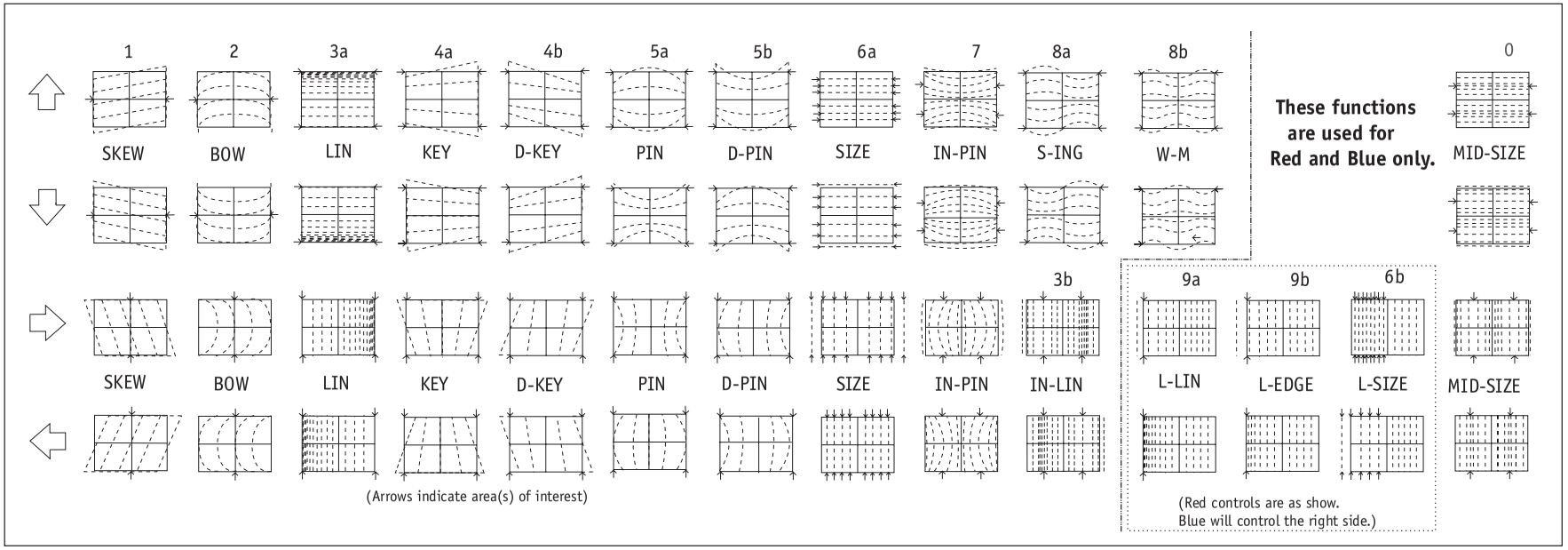
Use this chart to record the Red, Green, and Blue convergence setting values. You do not need to copy the "Geometry" settings as they are the result of the red, green, and blue settings. This chart is useful if you have to change a main module and still have a working video display.
Check the setup section of this manual for the convergence procedure details.

FLASHBK	Green	Horz.	Vert.	Green	Horz.	Vert.
1	Skew			N/A		
2	Bow			N/A		
3	Lin			In-Lin		N/A
4	Key			D-Key		
5	Pin			D-Pin		
6	Size			L-Size		N/A
7	In-Pin			N/A		
8	S-ing	N/A		W-M	N/A	
9	L-Lin		N/A	L-Edge		N/A
0	Mid-Size			N/A		
MENU	DC Center			N/A		

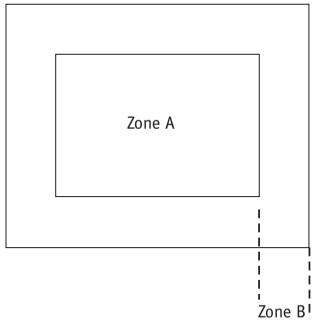
SURF	Red	Horz.	Vert.	Red	Horz.	Vert.
1	Skew			N/A		
2	Bow			N/A		
3	Lin			In-Lin		N/A
4	Key			D-Key		
5	Pin			D-Pin		
6	Size			L-Size		N/A
7	In-Pin			N/A		
8	S-ing	N/A		W-M	N/A	
9	L-Lin		N/A	L-Edge		N/A
0	Mid-Size			N/A		
MENU	DC Center			N/A		

MUTE	Blue	Horz.	Vert.	Blue	Horz.	Vert.
1	Skew			N/A		
2	Bow			N/A		
3	Lin			In-Lin		N/A
4	Key			D-Key		
5	Pin			D-Pin		
6	Size			R-Size		N/A
7	In-Pin			N/A		
8	S-ing	N/A		W-M	N/A	
9	L-Lin		N/A	R-Edge		N/A
0	Mid-Size			N/A		
MENU	DC Center			N/A		

CONVERGENCE CONTROL ILLUSTRATIONS



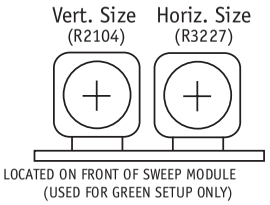
CONVERGENCE SPECIFICATIONS



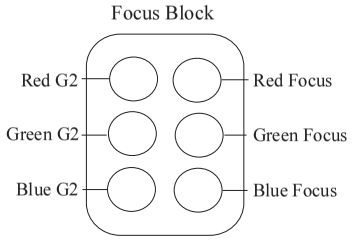
CONVERGENCE ZONES

	ZONE B	ZONE A
46"	15.2 cm (6")	Remaining Area
52"	17.1 cm (6.75")	Remaining Area
60"	13.2 cm (7.8")	Remaining Area

Note: Zones A require the best convergence. In Zone B it is required that in the worst case the images to at least touch.



LOCATED ON FRONT OF SWEEP MODULE
(USED FOR GREEN SETUP ONLY)



TROUBLESHOOTING THE GM TELEVISION SYSTEM

A system is easier to troubleshoot when broken down into circuit groups. A blank display with no audio does not necessarily mean you are working with a dead set.

Make adjustments after you isolate the problem. Do not start troubleshooting by turning pots or using other service controls.

Start your checks by verifying the status of standby conditions, power on start conditions, sweep start conditions, and then check video and audio system conditions. The most basic test aids to use, if the set has sweep and audio (controllable noise), are the menus and a VCR. If there is no sweep or high voltage, then you must make some measurements to isolate the cause to an area of the system.

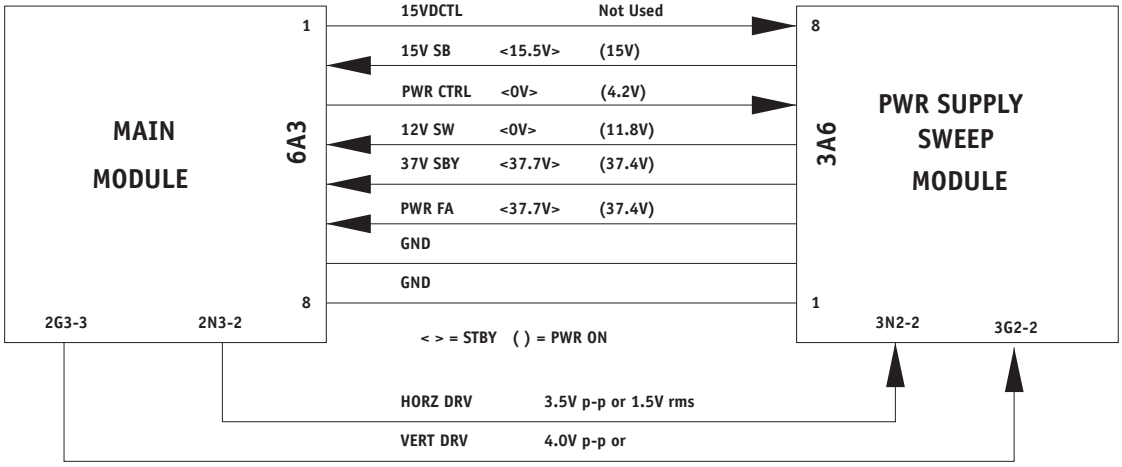
It is recommended that you perform troubleshooting in this order: power supplies, horizontal sweep/high voltage, vertical sweep, video, and audio.

The list of service checks on the following pages takes you from standby to power and sweep on conditions. Where possible, you have been given both DMM (digital multi-meter) readings and oscilloscope observations for the active signal checks.

For most active signal checks and DC voltage measurements, use the right end of RX3401 in direct view products and the left end of RX3401 in projection products for the DC common side of your meter or scope. To take meter readings on the primary side of the switch mode power supply, use front lead of RX3437 in direct view products and the jumper W-3 in projection products for the meter AC common.

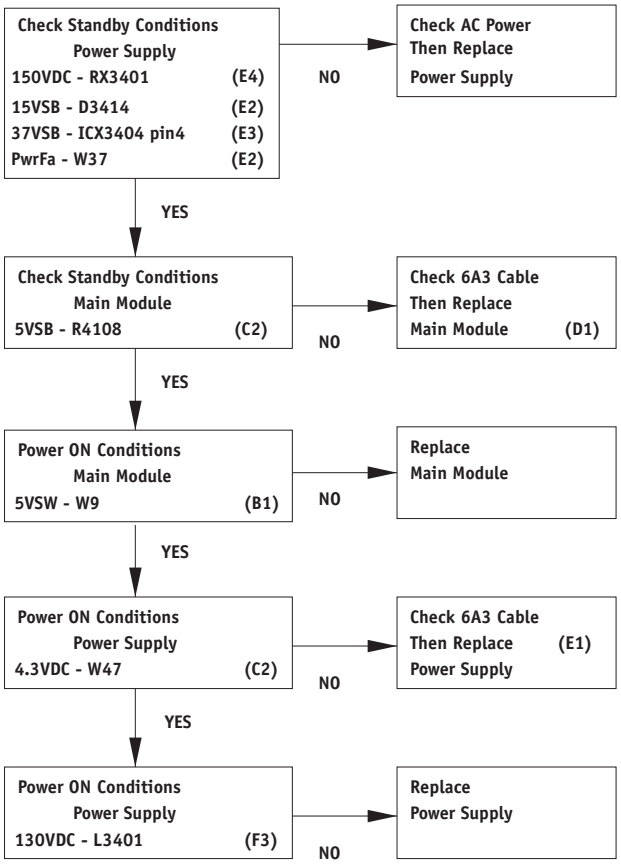
If the audio 26VSW (connector 3K9) is missing, you may have partial or distorted audio. The audio system is powered by supplying 15VSB to the audio power amplifiers, via Q4001 and Q4002, during power on until the audio 26VSW turns on. 15VSW is supplied to IC800 and IC850 via CR801 and CR850, which prevents audio noise during power on. When the audio 26V is present, CR801 and CR850 back bias, preventing the 15VSW and 26V from mixing. CX848 and CX856 are kept charged to prevent audio noise during power off.

A Line GM Chassis Power Control
Directview

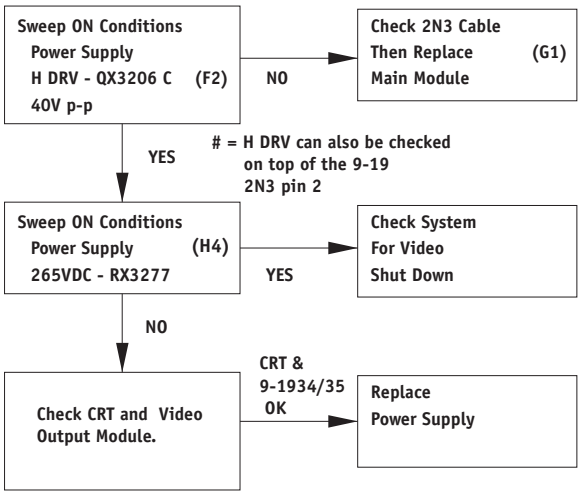


GM A Line Directview TV

POWER UP CHECKS - DEAD SET

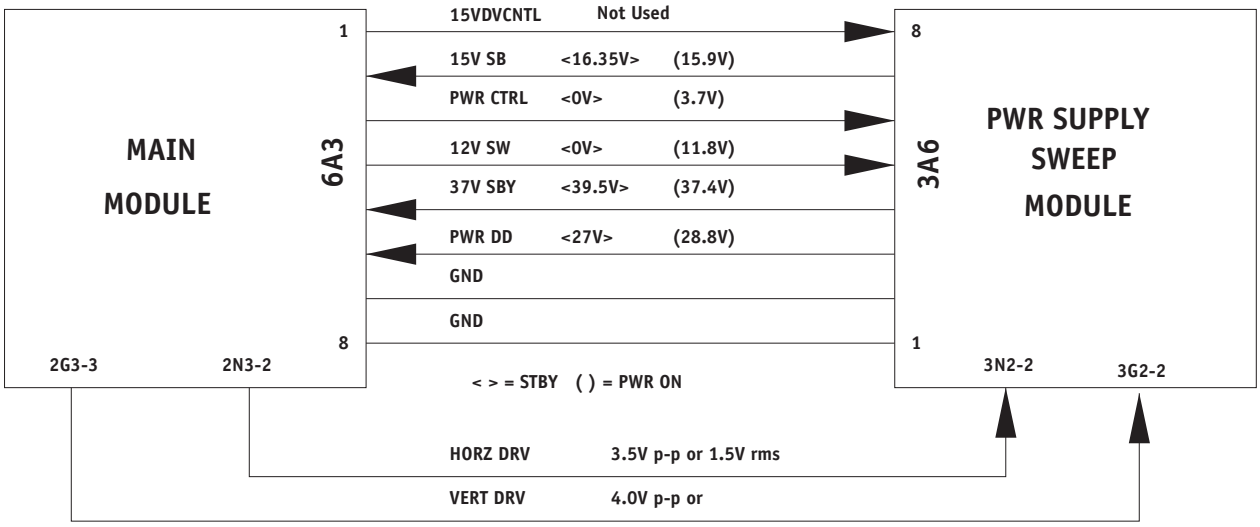


SWEEP/HV CHECKS - DEAD SET



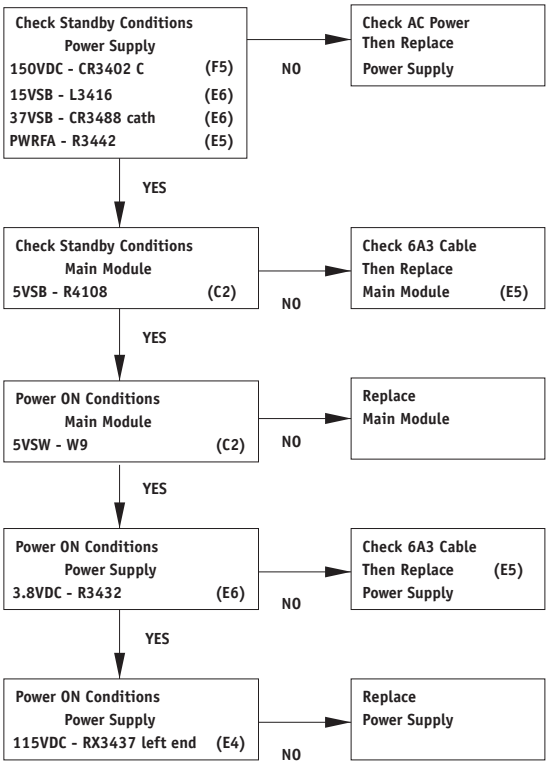
GM A Line Chassis Power Control

Projection

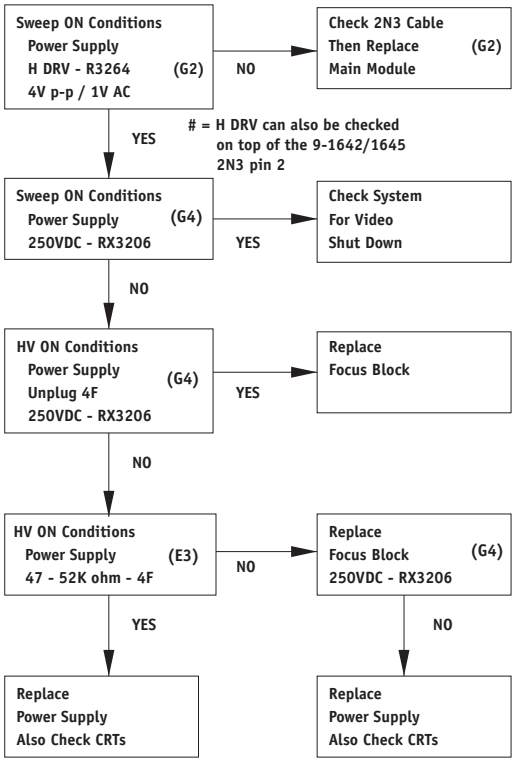


GM A Line Projection TV

POWER UP CHECKS - DEAD SET



SWEEP/HV CHECKS - DEAD SET



GM DIRECTVIEW SERVICE CONTROLS

The service menu controls are limited to the G-2, focus, vertical size, and horizontal size. There are controls on the Tuner/IF/Audio Processor module but you will not be able to access these.

The service menu is another part of the service adjustments. Checking the service menu setup must be a part of normal servicing. The sheer number of items should not concern you as only some of them may require field adjustment. All the remaining items should be set to the recommended value or setting and not changed.

Display Size Controls

VR2138 Vertical Size - Adjust for 1/2" of overscan. Be careful not to cut off the closed caption display video area.

VR3249 Horizontal Size - Adjust 1/2" of overscan. Be careful not to cut off the closed caption display video area.

G-2 and Focus Controls

G-2 Setup - On the video output module short the pins of SETUP connector(near connector 5F2). This will disable the video drive to the CRT. Adjust the G-2 control until retrace lines are just visible. Remove the short from the SETUP connector for normal video operation.

Focus Setup - Adjust as needed after setting G-2. This will be affected by the setting of G-2. The setting of G-2 will also affect the tint (green to blue) of peak video white.

GM PROJECTION SERVICE CONTROLS

The service controls are limited to the service menu, G-2, focus, vertical size, horizontal size, yoke ring magnets, and the convergence controls. There are controls on the Tuner/IF/Audio Processor module but you will not be able to access them.

Make checking the service menu part of servicing GM projection systems. In addition to the items mentioned, in the directview notes, the Projo Mode feature, of the service menu, enables or disables the Projo Setup feature on the customer menu. The Projo Setup feature adds a horizontal and vertical centering offset to the convergence drive of Red and Blue. This feature's horizontal and vertical settings must be centered before doing convergence alignment.

If you have changed a CRT, the convergence module, adjusted the mechanical focus of the CRT lens, or have adjusted the size you may need to check the convergence alignment. It is recommended that you make the convergence alignment adjustments in the following order:

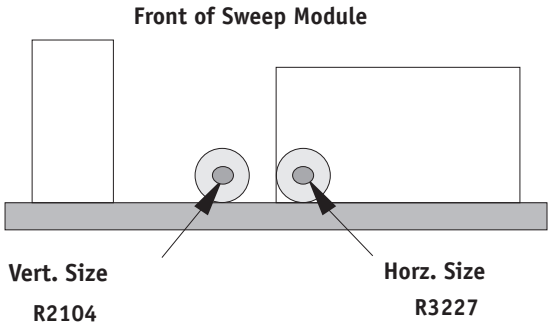
Display size and lens focus
G-2 and electrical focus
Yoke for tilt and centering
Adjust convergence controls as required.

Display Size Controls

The size controls are located at the front edge of the power supply/sweep module. If the projo has a VCR shelf you must remove the panel, under the VCR shelf, to access the size controls on the front of the Sweep/SMPS assembly (there are several screws holding the panel).

Using a cross hatch pattern adjust R3227 horizontal size and R2104 vertical size for 1.5" of over scan. If you have mono scope test pattern (service pattern signal generator VCR tape #892-53) adjust R3227 horizontal size for 4.5 tic marks (left and right) and R2104 vertical size for 4.0 tic marks (at top and bottom).

Set Main Size Pots First



Convergence G-2 Setup and Video Cutoff Jumpers

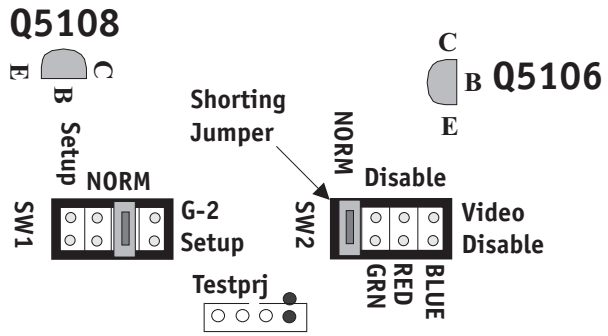
The CRT video cut off and G-2 setup jumper assemblies are located on the left rear corner of the main module. These jumpers are used to mute red, green, or blue video individually and cutoff all video drive to the CRTs for G-2 setup.

SW2 contains the blue, green and red video mute (or video cut off) jumpers. All jumpers of SW2 must be in the normal position for doing G-2 setup. SW1 is the G-2 setup jumper.

G-2 Setup

This procedure should **not** be done with direct light on the screen or in a brightly lighted room. When you are setting G-2 this sets the conduction point of the CRT. G-2 is not used to set picture brightness level. Be sure that all of the video mute jumpers (SW2) are in the normal position. Having one or more of the CRTs in video mute will cause G-2 to be set incorrectly. **To view only one color at a time cover the lens of the CRTs.**

To set G-2 place the G-2 set up jumper (SW1), the jumper is on the rear left corner of the main module, place jumper into setup position. The G-2 adjustment controls are found in the back of the projo cabinet above the large signal module, in a black plastic block.
Adjust the green G-2 control clockwise until you just begin to see the vertical retrace lines (lines going from the lower left up toward the upper right side). Now repeat the same procedure for the red and blue G-2 settings. Return the G-2 setup jumper (SW1) to the normal position.

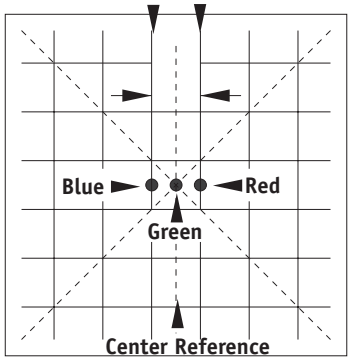


Focus Setup

There are two focus controls, mechanical (on the lens assembly) and electrical (focus pots next to the G-2 pots). This procedure should be done using generator and a cross hatch or other pattern that fills the display with a horizontal and vertical pattern. Focus one color at a time. Use the video cutoff jumpers to disable the video display of the other two CRTs.
Setup the mechanical focus giving your attention to the center area of the display. Setup the electrical focus giving your attention to the area between the center and the outer edge of the display. You may have to repeat the steps several times to achieve correct focus. Take time to do it correctly as focus will affect convergence setup.

Yoke Ring Magnets (Read Convergence Procedure first) Use a cross hair signal for this adjustment. Before adjusting the yoke ring magnets make sure that the yoke is pushed tight up to the bell of the CRT. In projection systems the yoke is only adjusted for tilt and uncorrected center beam landing. The proper alignment of the tilt and beam landing is necessary for proper convergence. If yoke alignment is incorrect convergence alignment will become more difficult. You may cause some of the convergence controls to run out of adjustment range. A cross hair test pattern is the best to use for yoke alignment.

The GM chassis convergence is controlled by the remote control. To put the projection system into the convergence mode press and hold the **MENU** key, until the customer menu display disappears, then press **999 ENTER** . Now disable convergence by pressing **PIP** for **TRK4000** or **FREEZE** for **MBR** remote. Disabling convergence will allow you to see where the uncorrected CRT beam landing is.
Check the three yokes for tilt. Loosen the yoke clamp if it is necessary to adjust the tilt. The red, green, and blue vertical lines should be parallel to each other and vertical to the screen frame. Do this adjustment carefully as it will affect the convergence controls. It is best to measure the distance between edge of the screen frame and the top of the center line. Now compare it to the same measurement at the bottom of the center line to the screen frame. When the two measurements are equal the yoke tilt adjustment is correct.
Be careful not to over tighten the yoke clamp. It should



be just snug enough so the yoke will not move. If it is over tightened it may break the CRT neck.
Adjust the green ring magnets so cross hair pattern is at the display center (measure the screen frame opening to find the center point). Adjust the red yoke ring magnets so the red horizontal center line is converged to the green horizontal center line and the red vertical center line is to 3/4" the right of green vertical center line. Adjust the blue yoke ring magnets so the blue horizontal center line is converged to the green horizontal center line and the blue vertical center line is to 3/4" the left of green vertical center line. Once all three CRT ring magnets have been adjusted press **PIP** for **TRK4000** or **FREEZE** for **MBR** remote, to enable the convergence correction to the display. For futher convergence information prefer to touchup convergence page 2-4.

DIRECT VIEW
PURITY & CONVERGENCE SET-UP PROCEDURE

PRELIMINARY SET-UP

1. Allow the receiver to warm up for 15 to 20 minutes.
2. Degauss the CRT.
3. Connect a crosshatch generator to the receiver and "rough in" the static (center) convergence. Follow the Convergence Procedure.
4. Adjust for best focus.

PURITY ADJUSTMENT

1. Purity tab positioning.

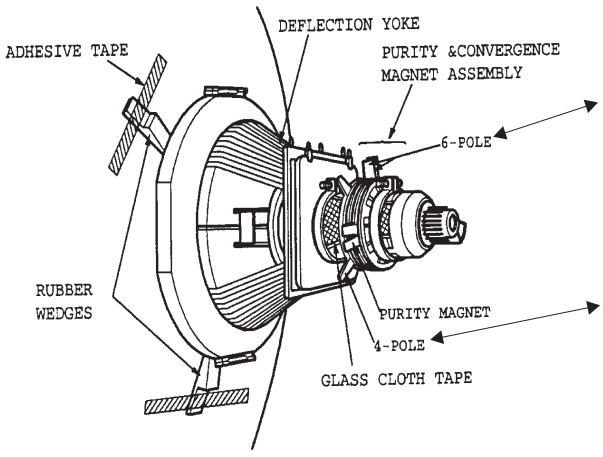
   Set the 2 pole purity tabs together in the 3 or 9 o'clock positions and the 4 and 6 pole purity tabs together in the 12 of 6 o'clock positions.
2. Move yoke to the maximum forward funnel position.
3. Now switch the crosshatch generator to a red field.
4. Pull the yoke toward the rear of the CRT neck centered or red raster is displayed.
5. If the red raster is not displayed as a pure red field, adjust the 2 pole purity tabs until a pure field is obtained.
6. Check for proper yoke tilt setting.

CONVERGENCE ADJUSTMENT

1. Release locking assembly.
2. Connect crosshatch generator to the receiver and adjust static (center) convergence as follows:

a. Adjust the 4 pole static control by moving the two tabs separately to converge the red and blue lines horizontally. Move the two tabs together around the neck of the CRT (in a 45° arc) from the top dead center position to converge the red and blue lines vertically.

b. After the 4 pole control has been adjusted to superimpose the red and blue lines on top of one another. Use the 6 pole static adjustment to place the converged red and blue lines over the green line. Move the two tabs together around the neck of the CRT (in a 30° arc) from the top dead center position to move the lines vertically. Adjusting the two tabs separately will move converged beam to the left or right. Using a cross hatch generator capable or producing individual fields, adjust generator to produce a red field. Use the purity tabs to center a red stripe.



CRT Ring Location Purity Adjust Tabs Beam Movement for Convergence

Ring Pairs	Rotation direction of Both Tabs	Movement of Red and Blue Beams
6 Pole Convergence R&B over G	Opposite	B R OR B R
	Same	B R OR B R
4 Pole Convergence R over B	Opposite	B R OR B R
	Same	B R OR B R

DIRECT VIEW (continued)

VERTICAL-TILT WEDGE ADJUSTMENT

The vertical lines at 6 and 12 o'clock are converged by vertically tilting the yoke and inserting a wedge at the top of the yoke until it is firmly seated between the CRT glass and the horizontal coils.

HORIZONTAL-TILT WEDGE ADJUSTMENT

The vertical lines at 3 o'clock and 9 o'clock are converged by horizontally tilting the yoke and inserting a wedge. First, at 4 or 8 o'clock, whichever has the larger space, until it is firmly seated between the CRT glass and yoke coils. Then insert the 3rd wedge in the remaining horizontal tilt position until firmly seated between the CRT glass and yoke coils. Convergence at 3 and 9 o'clock should be maintained during this operation.

When the 3 wedges are firmly installed for acceptable convergence lock the wedges in place by applying a strip of tape (2.5 inches long) across the tabs of each wedge, firmly against the CRT glass. The CRT glass surface should be clean and free of dust and other foreign material.

NOTE: Yoke alignment only applies to GM Direct View 32" models.

UNUSUAL TILT CASE

There may be some cases where the picture tube and yoke will require vertical tilt in the opposite (or up) direction to obtain convergence. In such cases, insert the vertical tilt wedge at the bottom (or "6" o'clock) position. Follow through the horizontal tilt adjustment by using the 2 and 10 o'clock position and secure each wedge with a piece of tape as described above.

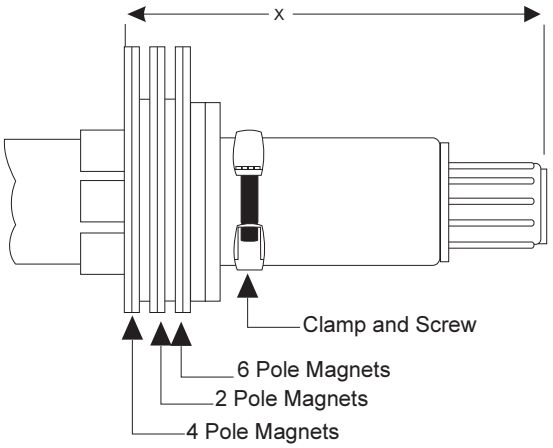
IMPROVING CRT CORNER PURITY

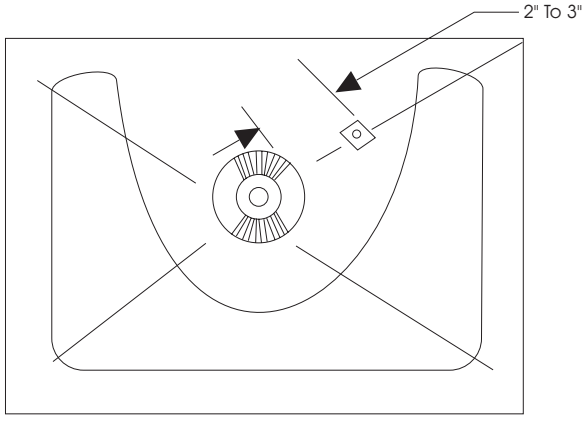
CRT's that display corner purity problems even after following service procedures can be modified with a picture correction kit (P/N 949-50). The purity can be improved by placing a picture correction magnet (included in the kit) on the CRT funnel. Refer to the following modification steps and illustration to place the magnet properly.

MODIFICATION

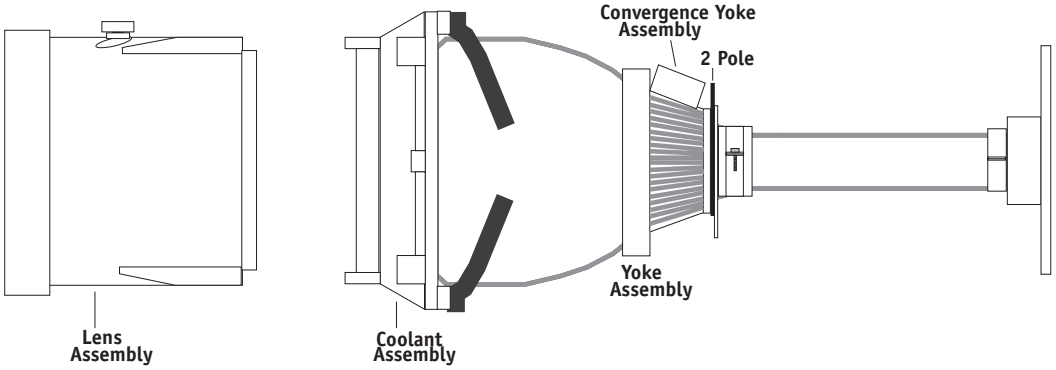
1. Place the magnet on the CRT funnel as shown, in the quadrant exhibiting impurity.
2. Rotate the magnet in place to the position shown for best purity.
3. Place a piece of 1/2" by 2" Fiberglass tape over the magnet to hold it in place.
4. Degauss the CRT once the magnet is in place to insure that the magnet is not over the internal magnet shield.

NOTE: If the magnet is placed over the internal magnet shield, any apparent purity correction will disappear after degaussing. Reposition the correction magnet off the internal shield and degauss again

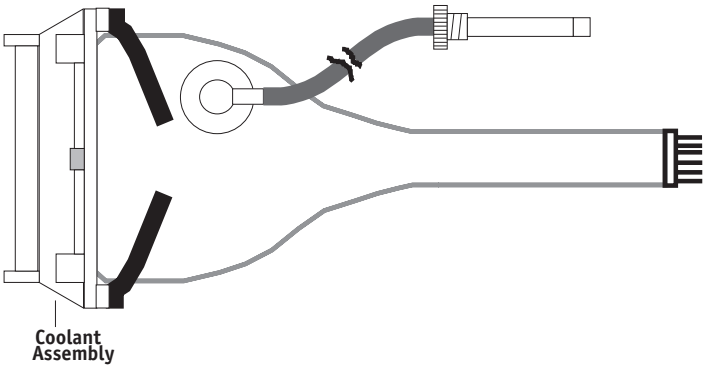




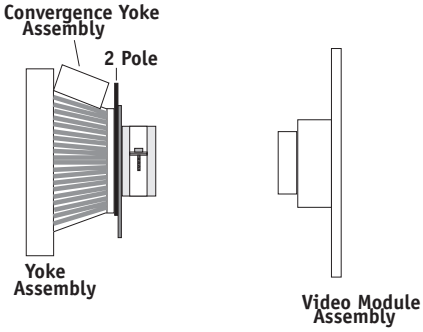
Installed GM CRT Assembly



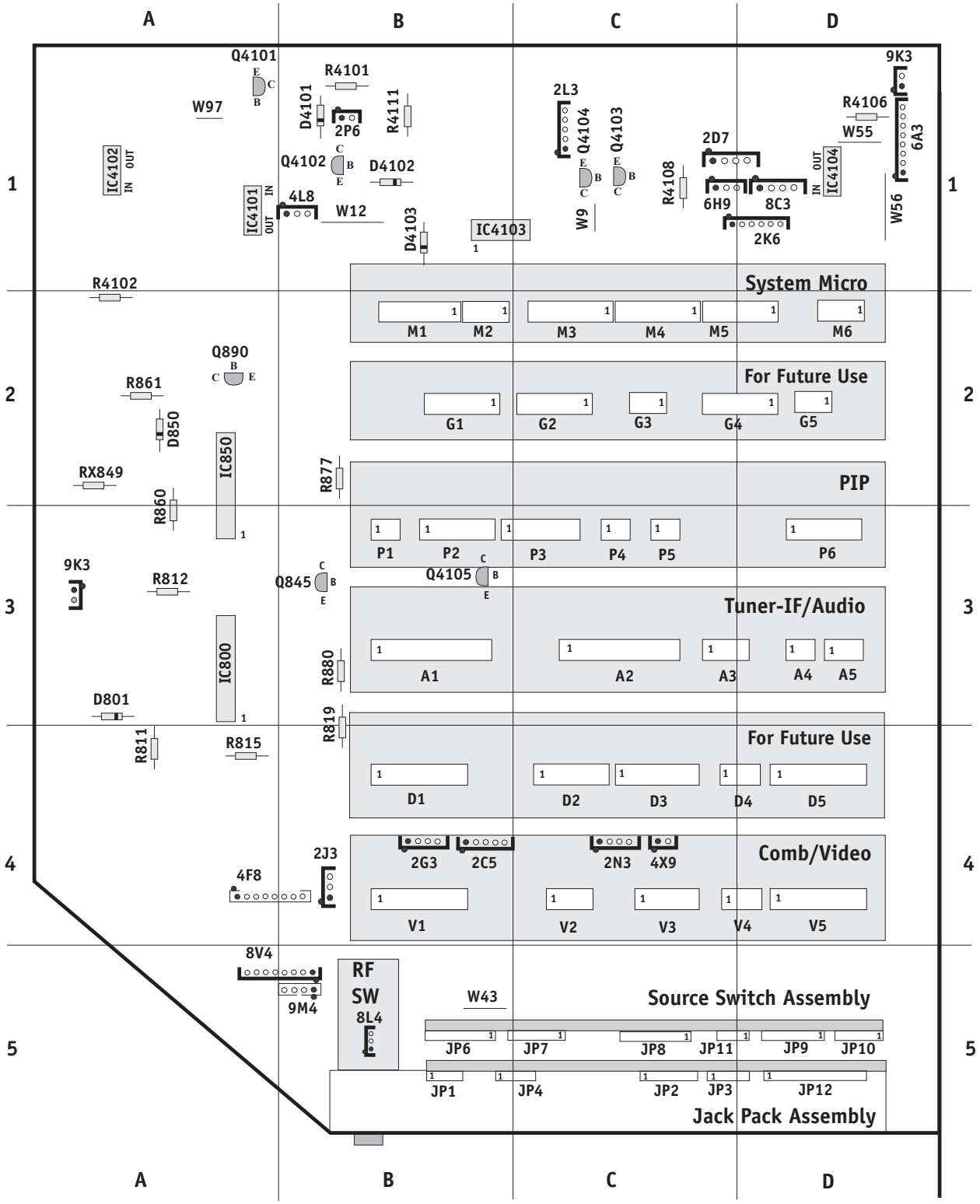
Replacement CRT Assembly



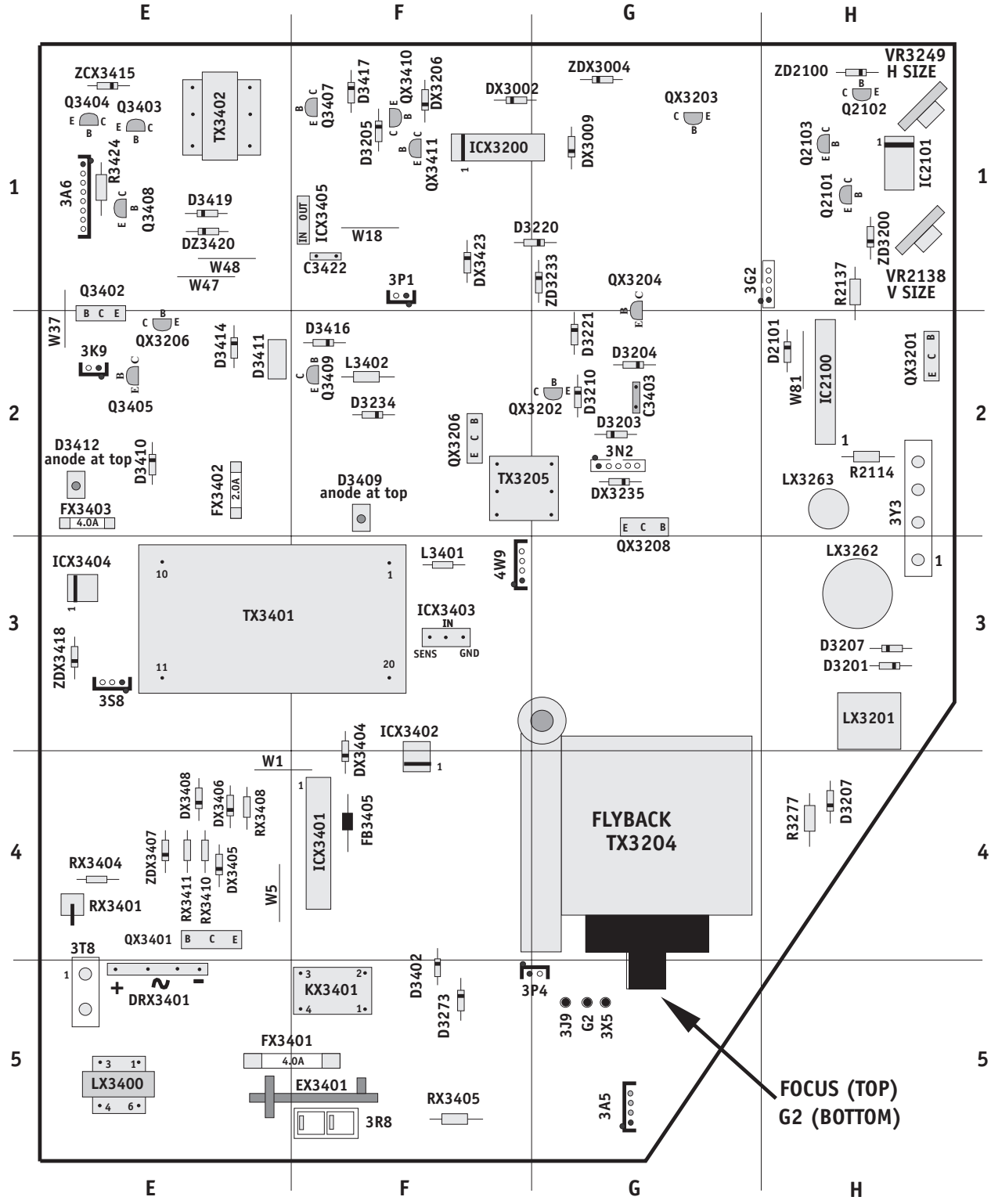
Transfered Assemblies



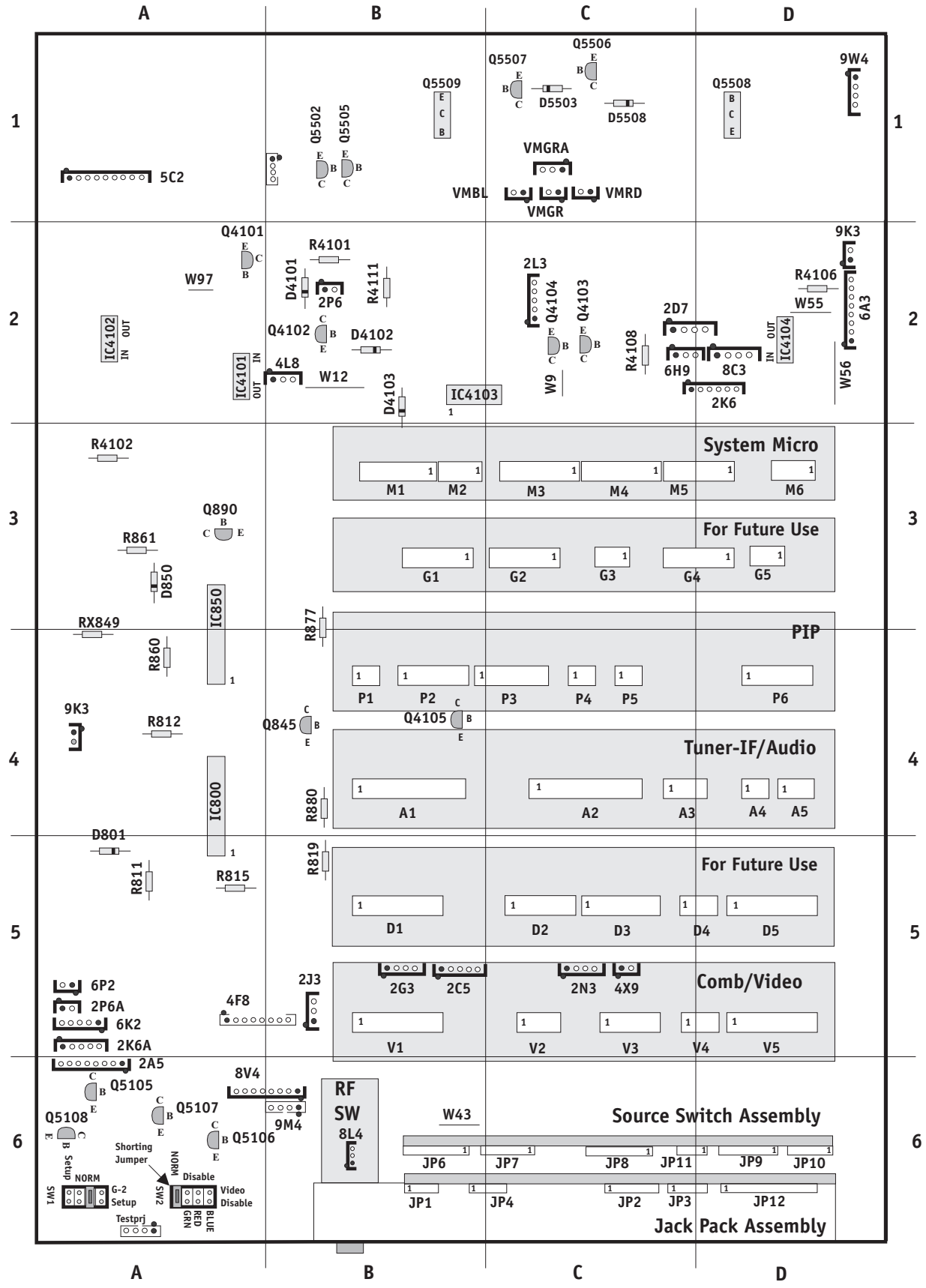
GM DIRECT VIEW - SMALL SIGNAL

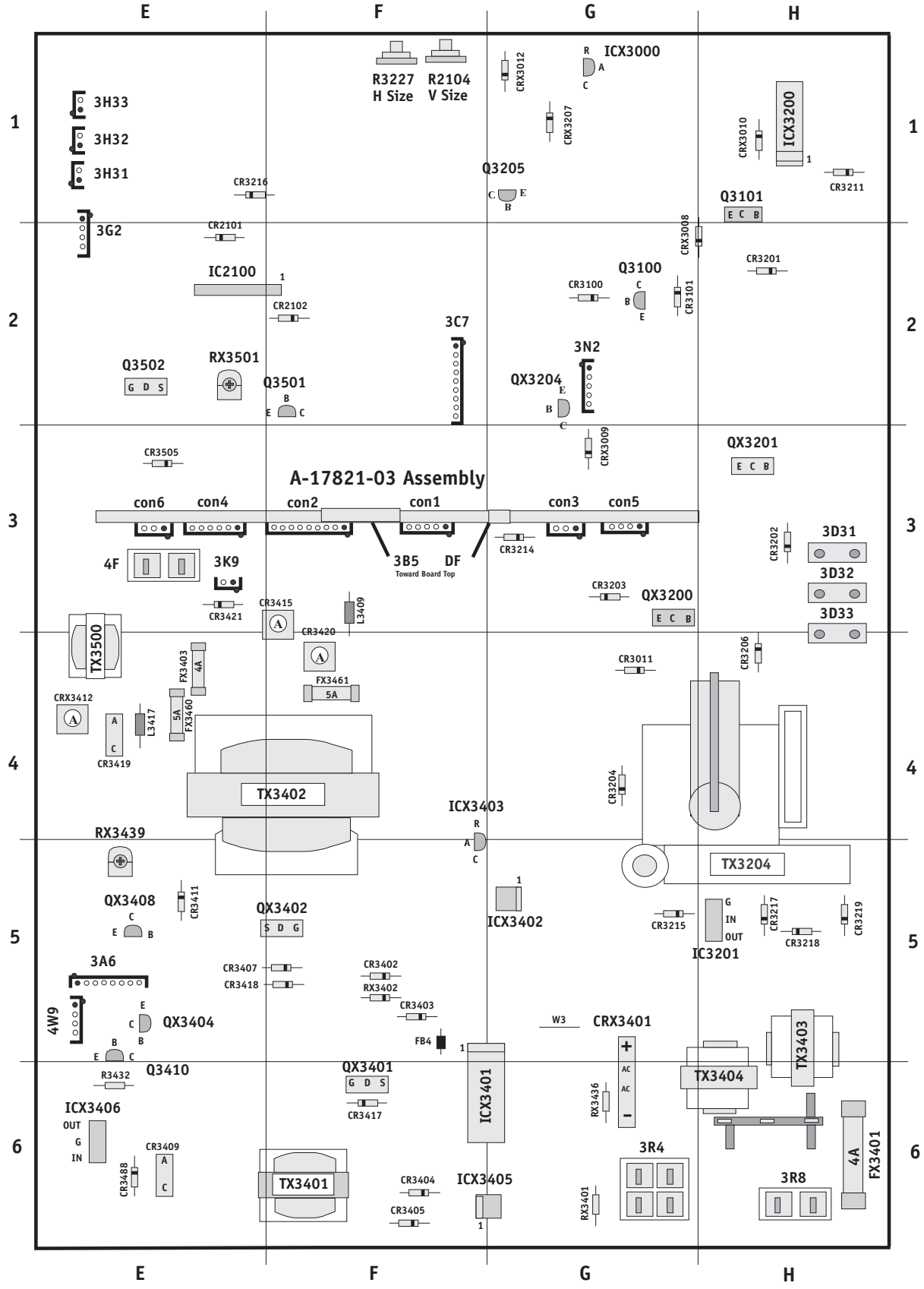


GM DIRECT VIEW - LARGE SIGNAL



GM PROJO - SMALL SIGNAL




E
F
G
H
1
2
3
4
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6
A-17821-03 Assembly
R3227 H Size
R2104 V Size
ICX3000
CRX3012
CRX3207
3H33
3H32
3H31
3G2
CR3216
CR2101
IC2100
CR2102
Q3205
ICX3200
CRX3010
CR3211
Q3101
CRX3008
CR3201
Q3100
CR3100
CR3101
3C7
Q3502
RX3501
Q3501
3N2
QX3204
CRX3009
QX3201
CR3505
con6
con4
con2
con1
con3
con5
4F
3K9
3B5
DF
Toward Board Top
CR3214
3D31
3D32
3D33
CR3202
CR3203
QX3200
CR3421
CR3415
CR3420
L3409
TX3500
FX3403
4A
FX3461
5A
FX3460
CR3206
CR3011
CRX3412
L3417
CR3419
TX3402
CR3204
ICX3403
RX3439
TX3204
QX3408
CR3411
QX3402
ICX3402
CR3215
IC3201
CR3217
CR3218
CR3219
3A6
CR3407
CR3418
CR3402
RX3402
CR3403
4W9
QX3404
FB4
W3
CRX3401
Q3410
R3432
QX3401
CR3417
ICX3401
RX3436
TX3403
TX3404
ICX3406
CR3409
CR3488
TX3401
CR3404
CR3405
ICX3405
RX3401
3R4
3R8
4A
FX3401

MODEL PARTS

A50M84D	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12280-01	CABINET MAIN, TV, WOOD, 50V PROJ CTV
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY,
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18648	PC BOARD ASSY, JACKPACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M84W	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY,
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18648	PC BOARD ASSY, JACKPACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M84W1	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY,
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18648	PC BOARD ASSY, JACKPACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M84W5	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO

MODEL PARTS (Continued)

057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY,
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18035	LINE CORD ASSY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18648	PC BOARD ASSY, JACKPACK
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M84W9	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY,
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18648	PC BOARD ASSY, JACKPACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M91D	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12280-01	CABINET MAIN, TV, WOOD, 50V PROJ CTV
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M91W	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS

MODEL PARTS (Continued)

A50M91W1	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC,
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M91W5	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18035	LINE CORD ASSY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A50M91W9	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL,
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-09	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 50V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A56M91D	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12286-01	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09082	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000

MODEL PARTS (Continued)

138-01950-03	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-11	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A56M91W	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12315-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09082-02	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01950-03	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-11	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A56M91W1	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL

012-09224-01	BRACKET, IR SENSOR
014-12315-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09082-02	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01950-03	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-11	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A56M91W5	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12315-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09082-02	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01950-03	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18035	LINE CORD ASSY
A-18159-11	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A56M91W9	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION

MODEL PARTS (Continued)

009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12315-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09082-02	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01950-03	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-11	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A60M91D	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC,
002-04092	CABINET BACK, FORMED PLASTIC, 60V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12279	CABINET MAIN, TV, WOOD, 60V PROJ CTV
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09085	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
126-03665	SHIELD, OPTIC SCREEN
138-01950-04	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552	LENS AND, HOUSING ASSEMBLY, GREEN
A-17552-02	LENS AND, HOUSING ASSEMBLY, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY

A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-10	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A60M91W	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04092	CABINET BACK, FORMED PLASTIC, 60V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12316-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09085-01	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
126-03665	SHIELD, OPTIC SCREEN
138-01950-04	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-10	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A60M91W1	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04092	CABINET BACK, FORMED PLASTIC, 60V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12316-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09085-01	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
126-03665	SHIELD, OPTIC SCREEN
138-01950-04	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00866-02	SCREEN, OPTICAL, PROJECTION TV

MODEL PARTS (Continued)

198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, GREEN RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-10	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A60M91W5	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04092	CABINET BACK, FORMED PLASTIC, 60V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12316-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09085-01	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
126-03665	SHIELD, OPTIC SCREEN
138-01950-04	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, GREEN, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18035	LINE CORD ASSY
A-18159-10	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
A60M91W9	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04092	CABINET BACK, FORMED PLASTIC, 60V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12316-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09085-01	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
126-03665	SHIELD, OPTIC SCREEN
138-01950-04	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, GREEN, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18159-10	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
IQA32M46W	
009-01689-02	MODULE, 2 TUNER SINGLE PIP,
009-01783A	MODULE, IF, STEREO,
009-01912	MODULE, SMALL SIGNAL
009-01916	MODULE, LARGE SIGNAL
009-01932	MODULE, MICRO AND PROM
009-01935	MODULE, VIDEO OUTPUT, 36V FLAT DIRECT VIEW
009-01939	MODULE, SVM, DIRECT VIEW
009-02034	MODULE, VIDEO, 3D COMB FILTER
014-12284-12	CABINET FRONT, TV, MOLDED PLASTIC
014-12285-09	CABINET REAR, TV, MOLDED PLASTIC
020-04330-33	COIL, DEGAUSSER
030-01526	DECORATIVE ITEM, LOGO, ZENITH
046-10561-02	KNOB ARRAY, PUSH BUTTON, 10 POSITIONS
049-01368-03	SPEAKER, OVAL, 6 X 13 CM
095-04208-01	TRANSFORMER, DEFLECTION YOKE, 110 DEGREE
A80JZH50X	VACUUM TUBE, CRT, COLOR, 32 INCH DIAGONAL
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01949	CABINET GRILLE
192-00915	LENS, INFRARED
A-18035	LINE CORD ASSY
A-18143	COIL ASSEMBLY, SVM
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
F-53063	KEYBOARD ASSY, 10 POSITION
IQA32M46W4	
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01783A	MODULE, IF, STEREO
009-01912	MODULE, SMALL SIGNAL
009-01916	MODULE, LARGE SIGNAL
009-01932	MODULE, MICRO AND PROM
009-01935	MODULE, VIDEO OUTPUT, 36V FLAT DIRECT VIEW
009-01939	MODULE, SVM, DIRECT VIEW
009-02034	MODULE, VIDEO, 3D COMB FILTER
014-12284-21	CABINET FRONT, TV, MOLDED PLASTIC
014-12285-09	CABINET REAR, TV, MOLDED PLASTIC
020-04330-33	COIL, DEGAUSSER
030-01526	DECORATIVE ITEM, LOGO, ZENITH
046-10561-02	KNOB ARRAY, PUSH BUTTON, 10 POSITIONS
049-01368-03	SPEAKER, OVAL, 6 X 13 CM
095-04208-01	TRANSFORMER, DEFLECTION YOKE, 110 DEGREE
A80JZH50X	VACUUM TUBE, CRT, COLOR, 32 INCH DIAGONAL
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01949	CABINET GRILLE
192-00915	LENS, INFRARED
A-18143	COIL ASSEMBLY, SVM

A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
F-53063	KEYBOARD ASSY, 10 POSITION
IQA32M46W7	
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01783A	MODULE, IF, STEREO
009-01912	MODULE, SMALL SIGNAL
009-01916	MODULE, LARGE SIGNAL
009-01932	MODULE, MICRO AND PROM
009-01935	MODULE, VIDEO OUTPUT, 36V FLAT DIRECT VIEW
009-01939	MODULE, SVM, DIRECT VIEW
009-02034	MODULE, VIDEO, 3D COMB FILTER
014-12284-21	CABINET FRONT, TV, MOLDED PLASTIC
014-12285-09	CABINET REAR, TV, MOLDED PLASTIC
020-04330-33	COIL, DEGAUSSER
030-01526	DECORATIVE ITEM, LOGO, ZENITH
046-10561-02	KNOB ARRAY, PUSH BUTTON, 10 POSITIONS
049-01368-03	SPEAKER, OVAL, 6 X 13 CM
095-04517-01	DEFLECTION YOKE, FINAL, COLOR TV, 32V
A80JZH50X	VACUUM TUBE, CRT, COLOR, 32 INCH DIAGONAL
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01949	CABINET GRILLE
192-00915	LENS, INFRARED
A-18035	LINE CORD ASSY
A-18143	COIL ASSEMBLY, SVM
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
F-53063	KEYBOARD ASSY, 10 POSITION
IQA32M46W74	
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01783A	MODULE, IF, STEREO
009-01912	MODULE, SMALL SIGNAL
009-01916	MODULE, LARGE SIGNAL
009-01932	MODULE, MICRO AND PROM
009-01935	MODULE, VIDEO OUTPUT, 36V FLAT DIRECT VIEW
009-01939	MODULE, SVM, DIRECT VIEW
009-02034	MODULE, VIDEO, 3D COMB FILTER
014-12284-21	CABINET FRONT, TV, MOLDED PLASTIC
014-12285-09	CABINET REAR, TV, MOLDED PLASTIC
020-04330-33	COIL, DEGAUSSER
030-01526	DECORATIVE ITEM, LOGO, ZENITH
046-10561-02	KNOB ARRAY, PUSH BUTTON, 10 POSITIONS
049-01368-03	SPEAKER, OVAL, 6 X 13 CM
095-04517-01	DEFLECTION YOKE, FINAL, COLOR TV, 32V
A80JZH50X	VACUUM TUBE, CRT, COLOR, 32 INCH DIAGONAL
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01949	CABINET GRILLE
192-00915	LENS, INFRARED
A-18143	COIL ASSEMBLY, SVM
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
F-53063	KEYBOARD ASSY, 10 POSITION
IQA36M46D	
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01783A	MODULE, IF, STEREO
009-01913	MODULE, SMALL SIGNAL
009-01927	MODULE, VIDEO 3D COMB FILTER, DIRECT VIEW
009-01932	MODULE, MICRO AND PROM
009-01935	MODULE, VIDEO OUTPUT, 36V FLAT DIRECT VIEW
009-01939	MODULE, SVM, DIRECT VIEW
009-01979	MODULE, LARGE SIGNAL
014-12268-06	CABINET FRONT, TV, MOLDED PLASTIC, 36V-1R
014-12270-02	CABINET REAR, TV, MOLDED PLASTIC, 35, 36V
020-04330-34	COIL, DEGAUSSER
024-03436	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-01	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
030-01526	DECORATIVE ITEM, LOGO, ZENITH
046-10561	KNOB ARRAY, PUSH BUTTON, 10 POSITIONS
049-01368-03	SPEAKER, OVAL, 6 X 13 CM
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
192-00911	CRYSTAL WINDOW, IR MOLDED PLASTIC
A-17307	PC BOARD ASSY, VIDEO, AUDIO AND Y-C FRONT JACKPACK, C8 CHASSIS
A-17794-03	IR EMITTER ASSY, VCR CONTROLLER
A-18035	LINE CORD ASSY
A-18483	CRT ASSEMBLY, WITH DEFLECTION YOKE
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18739	CABINET GRILLE, ASSEMBLY
A-18739-01	CABINET GRILLE, ASSEMBLY
F-50825	KEYBOARD ASSY, 10 POSITION
IQA36M46W	
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01783A	MODULE, IF, STEREO
009-01913	MODULE, SMALL SIGNAL
009-01927	MODULE, VIDEO 3D COMB FILTER, DIRECT VIEW
009-01932	MODULE, MICRO AND PROM
009-01935	MODULE, VIDEO OUTPUT, 36V FLAT DIRECT VIEW
009-01939	MODULE, SVM, DIRECT VIEW
009-01979	MODULE, LARGE SIGNAL
014-12268-23	CABINET FRONT, TV, MOLDED PLASTIC, 36V-1R
014-12270-13	CABINET REAR, TV, MOLDED PLASTIC, 35, 36V
020-04330-34	COIL, DEGAUSSER
024-03436-01	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
030-01526	DECORATIVE ITEM, LOGO, ZENITH
046-10561-02	KNOB ARRAY, PUSH BUTTON, 10 POSITIONS
049-01368-03	SPEAKER, OVAL, 6 X 13 CM
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01958-04	CABINET GRILLE FRAME, LEFT
138-01958-04	CABINET GRILLE FRAME, RIGHT
192-00911	CRYSTAL WINDOW, IR MOLDED PLASTIC
A-17307-04	PC BOARD ASSY, FRONT JACKPACK, VIDEO, AUDIO AND Y/C,
A-18035	LINE CORD ASSY
A-18483	CRT ASSEMBLY, WITH DEFLECTION YOKE
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
F-53063	KEYBOARD ASSY, 10 POSITION
IQA36M46W4	
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01783A	MODULE, IF, STEREO
009-01913	MODULE, SMALL SIGNAL
009-01927	MODULE, VIDEO 3D COMB FILTER, DIRECT VIEW
009-01932	MODULE, MICRO AND PROM
009-01935	MODULE, VIDEO OUTPUT, 36V FLAT DIRECT VIEW,
009-01939	MODULE, SVM, DIRECT VIEW
009-01979	MODULE, LARGE SIGNAL
014-12268-23	CABINET FRONT, TV, MOLDED PLASTIC, 36V-1R
014-12270-13	CABINET REAR, TV, MOLDED PLASTIC, 35, 36V
020-04330-34	COIL, DEGAUSSER
024-03436-01	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
030-01526	DECORATIVE ITEM, LOGO, ZENITH
046-10561-02	KNOB ARRAY, PUSH BUTTON, 10 POSITIONS
049-01368-03	SPEAKER, OVAL, 6 X 13 CM
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
192-00911	CRYSTAL WINDOW, IR MOLDED PLASTIC
A-17307-04	PC BOARD ASSY, FRONT JACKPACK, VIDEO, AUDIO AND Y/C
A-18483	CRT ASSEMBLY, WITH DEFLECTION YOKE
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
F-53063	KEYBOARD ASSY, 10 POSITION

IQA56M98D

002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12283	CABINET MAIN, TV, WOOD, 56V
024-03405	COVER, JACK PANEL, MOLDED PLASTIC
030-01505	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09081	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01948-01	CABINET GRILLE
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18542-02	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18650	PC BOARD ASSSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
A-18719-01	FRAME ASSEMBLY, ELECTRONICS, OPTICS CARRIER
F-53016	KEYBOARD ASSY, CUSTOMER CONTROLS

IQA56M98W

002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12283-01	CABINET MAIN, TV, WOOD, 56V
014-12328	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09081	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01948-01	CABINET GRILLE
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18542-02	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18650	PC BOARD ASSSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
F-51807	PC BOARD ASSY, WITH COMPONENTS, GZ CHASSIS
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS

IQA56M98W1

002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12328-01	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01948-01	CABINET GRILLE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18542-02	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
F-52775	PC BOARD ASSY, WITH COMPONENTS
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS

IQA56M98W5

002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR

MODEL PARTS (Continued)

014-12328-01	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09081-01	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01948-01	CABINET GRILLE
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18035	LINE CORD ASSY
A-18542-02	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS

IQA56M98W9

002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12328	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09081-01	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01948-01	CABINET GRILLE
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18542-02	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 56V
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
F-52775	PC BOARD ASSY, WITH COMPONENTS
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS

IQA60M98D

002-04079-03	CABINET BACK, UPPER, MOLDED PLASTIC, 60V, W/ AUD. JACKS
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12257-02	CABINET MAIN, TV, WOOD
024-03405-03	COVER, JACK PANEL, MOLDED PLASTIC
030-01505	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01936-04	CABINET GRILLE
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, RED AND BLUE
A-17552-03	LENS AND, HOUSING ASSEMBLY, GREEN
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17794-03	IR EMITTER ASSY, VCR CONTROLLER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18384	PC BOARD ASSY, SPEAKER SYSTEM CROSSOVER, GZ CHASSIS
A-18542	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
F-53017	KEYBOARD ASSY, CUSTOMER CONTROLS

IQA60M98W

002-04079-03	CABINET BACK, UPPER, MOLDED PLASTIC, 60V, W/ AUD. JACKS
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
009-01690-01	MODULE, REGISTRATION
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12329-02	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09076-02	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01936-04	CABINET GRILLE
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, RED AND BLUE
A-17552-03	LENS AND, HOUSING ASSEMBLY, GREEN
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE

A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18542	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18682	POWER CORD ASSY
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS
IQA60M98W1	
002-04079-03	CABINET BACK, UPPER, MOLDED PLASTIC, 60V, W/ AUDIO JACKS
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12329-02	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09076-02	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01936-04	CABINET GRILLE
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, GREEN, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18542	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
A-18682	POWER CORD ASSY
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS
IQA60M98W5	
002-04079-03	CABINET BACK, UPPER, MOLDED PLASTIC, 60V, W/ AUD. JACKS
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12329-02	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09076-02	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE,
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01936-04	CABINET GRILLE
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, GREEN, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18035	LINE CORD ASSY
A-18347-01	PC BOARD ASSY, RF SWITCH, 2 TUNER, 2 INPUT
A-18542	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS
IQA60M98W9	
002-04079-03	CABINET BACK, UPPER, MOLDED PLASTIC, 60V, W/AUD. JACKS
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01925	MODULE, VIDEO 3D COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01943	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12329-02	CABINET MAIN, TV, WOOD
024-03405-05	COVER, JACK PANEL, MOLDED PLASTIC
030-01505-03	DECORATIVE ITEM, OVERLAY, FRONT JACK PACK
046-10555-02	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09076-02	ESCUTCHEON, OPTIC SCREEN, 60V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01936-04	CABINET GRILLE
192-00866-02	SCREEN, OPTICAL, PROJECTION TV
198-00030	MIRROR, PLASTIC, FIRST SURFACE, MYLAR, 60V
A-17196-12	BLEEDER ASSY
A-17552-02	LENS AND, HOUSING ASSEMBLY, GREEN, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC BOARD ASSY, DYNAMIC FOCUS, G1 SPOT KILL, DAUGHTER
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18542	ACCESSORY KIT, SCREEN PROTECTOR AND RETAINERS, 60V
A-18650	PC BOARD ASSY, JACKPACK, 22 JACK, INTEQ RF SWITCH
F-53287	KEYBOARD ASSY, CUSTOMER CONTROLS
RA46M84D	
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
002-04082	CABINET BACK, UPPER, MOLDED PLASTIC, 46V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM

MODEL PARTS (Continued)

009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12330-01	CABINET MAIN, TV, WOOD
046-10526-06	KNOB ARRAY, PUSH-BUTTON, 10 BUTTON
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09074	ESCUTCHEON, OPTIC SCREEN, 46V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01942	CABINET GRILLE
192-00890	OPTIC FILTER, SCREEN PROTECTOR
192-00891	SCREEN, OPTICAL, PROJECTION TV, 46V, 2MM
198-00026-03	MIRROR, GLASS, FIRST SURFACE, 46V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-51189	KEYBOARD ASSY, CUSTOMER CONTROLS, 10 BUTTON

RA46M84D1

002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
002-04082	CABINET BACK, UPPER, MOLDED PLASTIC, 46V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12330-01	CABINET MAIN, TV, WOOD
046-10526-06	KNOB ARRAY, PUSH-BUTTON, 10 BUTTON
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09074	ESCUTCHEON, OPTIC SCREEN, 46V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01942	CABINET GRILLE
192-00890	OPTIC FILTER, SCREEN PROTECTOR
192-00891	SCREEN, OPTICAL, PROJECTION TV, 46V, 2MM
198-00026-03	MIRROR, GLASS, FIRST SURFACE, 46V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-51189	KEYBOARD ASSY, CUSTOMER CONTROLS, 10 BUTTON

RA46M84D5

002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
002-04082	CABINET BACK, UPPER, MOLDED PLASTIC, 46V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12330-01	CABINET MAIN, TV, WOOD
046-10526-06	KNOB ARRAY, PUSH-BUTTON, 10 BUTTON
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09074	ESCUTCHEON, OPTIC SCREEN, 46V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01942	CABINET GRILLE
192-00890	OPTIC FILTER, SCREEN PROTECTOR
192-00891	SCREEN, OPTICAL, PROJECTION TV, 46V, 2MM
198-00026-03	MIRROR, GLASS, FIRST SURFACE, 46V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN

RA46M84D9

002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
002-04082	CABINET BACK, UPPER, MOLDED PLASTIC, 46V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12330-01	CABINET MAIN, TV, WOOD
046-10526-06	KNOB ARRAY, PUSH-BUTTON, 10 BUTTON
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09074	ESCUTCHEON, OPTIC SCREEN, 46V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01942	CABINET GRILLE
192-00890	OPTIC FILTER, SCREEN PROTECTOR
192-00891	SCREEN, OPTICAL, PROJECTION TV, 46V, 2MM
198-00026-03	MIRROR, GLASS, FIRST SURFACE, 46V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN

MODEL PARTS (Continued)

A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-51189	KEYBOARD ASSY, CUSTOMER CONTROLS, 10 BUTTON
RA46M84W	
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
002-04082	CABINET BACK, UPPER, MOLDED PLASTIC, 46V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12330	CABINET MAIN, TV, WOOD
046-10526-06	KNOB ARRAY, PUSH-BUTTON, 10 BUTTON
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09074	ESCUTCHEON, OPTIC SCREEN, 46V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01942	CABINET GRILLE
192-00890	OPTIC FILTER, SCREEN PROTECTOR
192-00891	SCREEN, OPTICAL, PROJECTION TV, 46V, 2MM
198-00026-03	MIRROR, GLASS, FIRST SURFACE, 46V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-51189	KEYBOARD ASSY, CUSTOMER CONTROLS, 10 BUTTON
RA46M84W9	
002-04081-05	CABINET BACK, LOWER, MOLDED PLASTIC
002-04082	CABINET BACK, UPPER, MOLDED PLASTIC, 46V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12330	CABINET MAIN, TV, WOOD
046-10526-06	KNOB ARRAY, PUSH-BUTTON, 10 BUTTON
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09074	ESCUTCHEON, OPTIC SCREEN, 46V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01942	CABINET GRILLE
192-00890	OPTIC FILTER, SCREEN PROTECTOR
192-00891	SCREEN, OPTICAL, PROJECTION TV, 46V, 2MM
198-00026-03	MIRROR, GLASS, FIRST SURFACE, 46V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-01	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-51189	KEYBOARD ASSY, CUSTOMER CONTROLS, 10 BUTTON
RA50M84D	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-01	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-13	OPTIC FILTER, SCREEN PROTECTOR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA50M84D1	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED

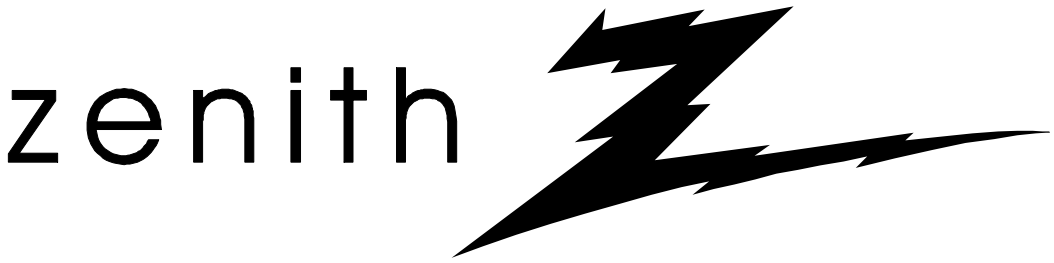
MODEL PARTS (Continued)

009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-01	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-13	OPTIC FILTER, SCREEN PROTECTOR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA50M84D9	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-01	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-13	OPTIC FILTER, SCREEN PROTECTOR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA50M84W	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-13	OPTIC FILTER, SCREEN PROTECTOR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA50M84W1	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-13	OPTIC FILTER, SCREEN PROTECTOR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN

A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA50M84W5	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978-01	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-13	OPTIC FILTER, SCREEN PROTECTOR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-58	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-59	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-60	LIQUID COUPLER, ASSEMBLY, RED
A-17715-03	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18035	LINE CORD ASSY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA50M84W9	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04093	CABINET BACK, UPPER, MOLDED PLASTIC, 50V
009-01650-02	MODULE, SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783-01A	MODULE, IF, STEREO
009-01914	MODULE, SMALL SIGNAL
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12314-02	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09080-01	ESCUTCHEON, OPTIC SCREEN, 50V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00212-37	SPACE COMMAND, TRANSMITTER, MBR3457
138-01946-01	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-13	OPTIC FILTER, SCREEN PROTECTOR
192-00891-01	SCREEN, OPTICAL, PROJECTION TV, 50V, 2MM
198-00032	MIRROR, MYLAR, FIRST SURFACE
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18648	PC BOARD ASSY, JACKPACK, 10 JACK
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA56M91D	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE
009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12315-01	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09082	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01950	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-19	OPTIC FILTER, SCREEN PROTECTOR
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-49	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-50	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-51	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18649	PC BOARD ASSY, JACKPACK, 19 JACK, GEMSTAR RF SWITCH
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS
RA56M91D9	
002-04091	CABINET BACK, LOWER, MOLDED PLASTIC
002-04094	CABINET BACK, UPPER, MOLDED PLASTIC, 56V
009-01689-02	MODULE, 2 TUNER SINGLE PIP
009-01690-01	MODULE, REGISTRATION
009-01783A	MODULE, IF, STEREO
009-01924	MODULE, VIDEO 2H COMB FILTER
009-01932	MODULE, MICRO AND PROM
009-01936-01	MODULE, VIDEO OUTPUT, GREEN
009-01937-01	MODULE, VIDEO OUTPUT, BLUE

MODEL PARTS (Continued)

009-01938-01	MODULE, VIDEO OUTPUT, RED
009-01942	MODULE, SMALL SIGNAL
009-01978	MODULE, LARGE SIGNAL
012-09224-01	BRACKET, IR SENSOR
014-12315-01	CABINET MAIN, TV, WOOD
046-10555	KNOB ARRAY, PUSH-BUTTON, 10 POSITIONS, STR
049-01257-08	SPEAKER, OVAL
049-01364	SPEAKER, ROUND, 2 INCH, PIEZO
057-09082	ESCUTCHEON, OPTIC SCREEN, 56V
095-04480	TRANSFORMER, DEFLECTION YOKE
124-00219-01	SPACE COMMAND, TRANSMITTER, TRACKBALL, TRK4000
138-01950	CABINET GRILLE
192-00858-02	LENS, PRIMARY CONTROLS AND IR
192-00890-19	OPTIC FILTER, SCREEN PROTECTOR
192-00891-02	SCREEN, OPTICAL, PROJECTION TV, 56V, 2MM
198-00035	MIRROR, MYLAR, FIRST SURFACE, 56V
A-17196-12	BLEEDER ASSY
A-17552	LENS & HOUSING, ASSEMBLY, DELTA 77, GREEN
A-17552-04	LENS & HOUSING, ASSEMBLY, DELTA 78, RED AND BLUE
A-17649-52	LIQUID COUPLER, ASSEMBLY, GREEN
A-17649-53	LIQUID COUPLER, ASSEMBLY, BLUE
A-17649-54	LIQUID COUPLER, ASSEMBLY, RED
A-17715-02	SHIELD ASSY, PROTECTIVE BARRIER
A-17821-05	PC DAUGHTER BOARD ASSY
A-17869	INFRARED DETECTOR, AMP, ASSEMBLY
A-18649	PC BOARD ASSY, JACKPACK, 19 JACK, GEMSTAR RF SWITCH
A-18682	POWER CORD ASSY
F-53015	KEYBOARD ASSY, CUSTOMER CONTROLS


zenith